

8	27364	92836	89428	81268	74982	46498	42784	31277
86	40932	70987	32123	49817	26346	81287	65491	87364
721	75654	55656	12737	72727	72727	91918	63473	67867
723	87629	37677	32612	53498	71296	28756	18276	98716
269	76329	74698	76857	98670	27601	56701	57601	73648
711	87364	87265	96710	27630	12673	84769	28743	98127
78	63298	75698	27465	87326	49876	28376	81273	98615
7	87432	74328	78674	29867	32867	67867	86786	43286
7	68768	68763	34234	34238	68768	62342	48273	48768
26	98432	32432	86743	43286	43286	43286	43286	43286
243	86743	86743	39867	32867	86743	43286	43286	43243
8	86743	86743	86743	86743	86743	86743	86743	86743
92	98798	98754	98754	98754	98754	29867	67543	67986
6	87698	69876	87698	69876	87612	12341	34867	86798
7	43298	65656	56756	56123	32143	14321	32143	14321
7	58767	58767	58767	58765	76587	58765	76587	58756

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #333, June 2025

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

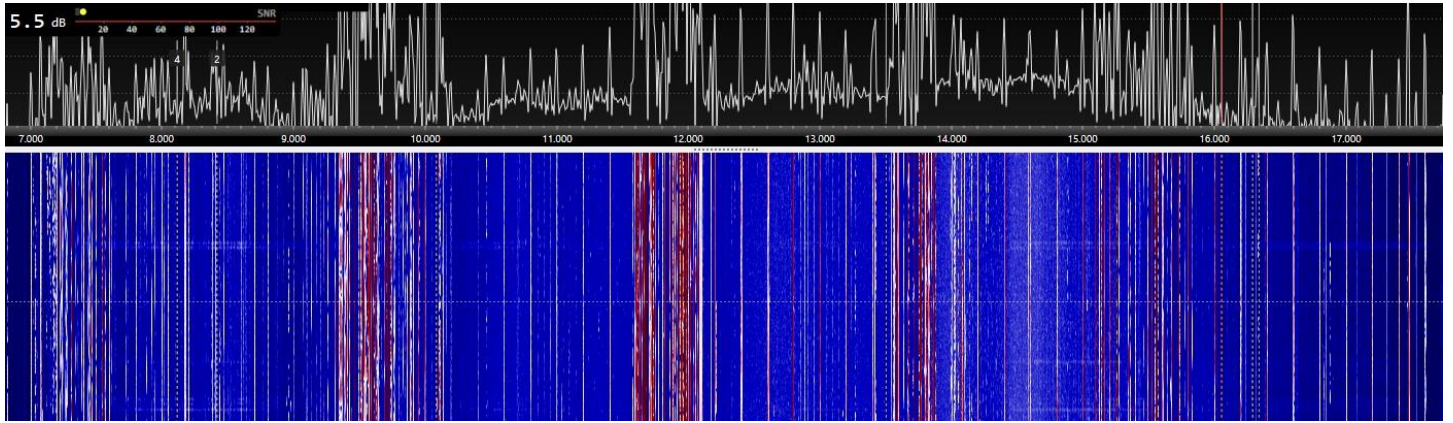


- . . . - - - - - . - . - . . . - - - - . . - -

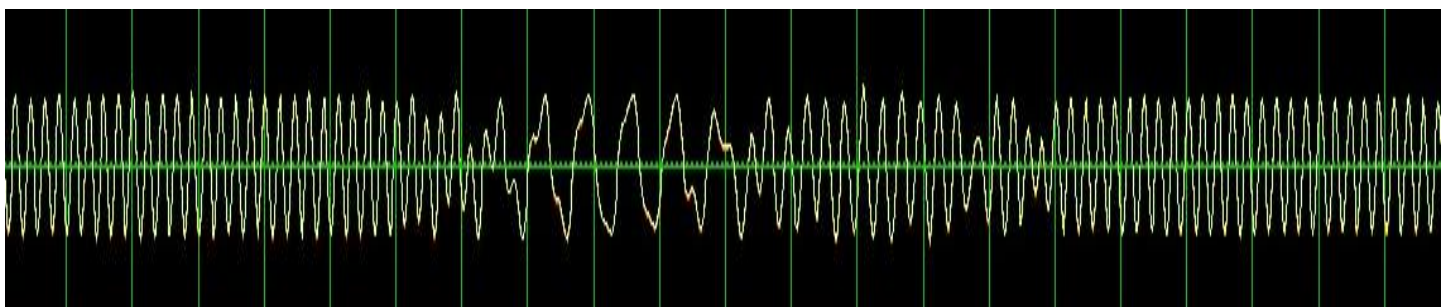


Numbers and Oddities

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FOREWORD

From May 12 to June 15, the French Navy conducted a major high-intensity operational readiness exercise: POLARIS 25. This exercise involved over 3000 French and foreign military personnel from UK, Spain, Italy, the Netherlands, Portugal, Germany, Brazil and US marines. More than 20 surface ships and over 40 aircraft in the Atlantic and the Channel. This exercise was possibly the cause for the overly busy M23 schedule.

The Russians were also very active with many additional XPB1 transmissions till June 9th, switching to XPA2 on June 10th. The transmissions stopped on June 19th. You can find many of the transcripts in this edition of N&O.

We received again lots of logs, transcripts and no less than 245 recordings. That's a lot to process, but they are very welcome ! Thanks to all contributors and special thanks to Pierre and Subilo.

I found this website that might be of interest to you. It covers the activity of the Radiokontrollanstalten (Radio Control Insitute) of the Swedish Allmänna säkerhetstjänsten (General Security Service) in WWII. <https://www.antus.nu/RKA.html>
<https://www.antus-nu.translate.goog/RKA.html? x tr sl=auto& x tr tl=en& x tr hl=nl& x tr pto=wapp>

VOICE STATIONS

E07

17453/16137/14759 kHz, 1000/1020/1040 UTC

17453/16137/14759 kHz, 05-06/07-06, 1000/1020/1040 UTC

417 417 417 1 2825 121 2825 121
90406 26439 88486 81084 73819 89742 68868 04725 12548 68380
50125 46652 52384 62298 94957 47106 06053 47936 57690 18589
83316 65401 37713 12942 05415 86473 88058 79570 28199 10495
44160 52294 97721 22371 03584 60479 55178 64942 21041 25036
64169 54470 02538 76994 43297 50657 76685 71730 88342 21463
53427 67827 60011 68264 83152 96936 28808 44922 67746 70125
60115 22369 90022 00197 17163 24396 84132 21182 75515 18729
80431 91353 75311 91501 24510 51019 51096 83822 98267 31390
05939 17599 04175 72980 24645 93680 88435 80490 51823 79618
85148 31359 24185 67159 70752 47405 42377 64907 14164 37658
04451 92803 18381 19402 82738 44279 51106 94911 63204 47635
76611 76986 93077 30635 59080 22271 44268 52725 03591 38713
89344 000 000

17453/16137/14759 kHz, 19-06/21-06, 1000/1020/1040 UTC

417 417 417 1 8056 169 8056 169
01227 25085 40058 46369 65965 77127 03051 38506 53906 39253
92370 63985 83158 04552 93480 08094 70433 90335 08428 05348
67553 42913 68175 73834 09596 29041 30350 94962 64745 46142
16912 75366 39787 66264 80673 38307 45433 12638 57432 27843
91533 54444 84730 01935 17838 92627 86776 54237 22487 59587
50996 31449 14613 75807 91103 75620 24917 33781 24283 04683
99687 85443 30687 86528 82925 54515 47324 04390 82788 14345
02543 04463 36226 24539 22626 93427 60214 79711 18603 78565
23468 67336 84675 36729 92056 75384 08863 09250 39417 68635
97576 88969 17945 50564 52974 79146 04507 93450 55711 50442
84163 41682 34308 12919 73266 42975 42722 41270 98460 12767
79084 45516 76646 91605 16517 00110 35473 06156 10359 58777
30385 48410 60617 97601 70274 95110 60984 43959 78026 96509
21880 56656 12221 76059 72508 20751 76484 85602 40439 67430
39365 28999 67639 39800 50429 57062 49574 21714 02589 80869
07194 36840 06941 49398 78697 36130 44251 22607 25861 58779
95941 57821 60455 13008 41106 15413 04955 33813 01630 000 000

14945/16145/18245 kHz, 10-06/13-06, 1500/1520/1540 UTC

912 912 912 1 5737 127 5737 127
33513 92539 37689 00919 39014 45586 16290 43985 78934 30867
37291 87702 51565 45845 41992 90983 51487 05068 22979 15594
60296 22131 16334 31454 32008 55705 93416 21850 44319 12012
36827 24744 98273 35260 73969 91150 16185 36591 73979 19421
77667 90352 11836 48289 27500 28850 77270 41428 56262 12484
24489 20579 83880 54398 21822 21646 48371 95982 66335 75909
13435 74562 62854 87959 34508 92539 14090 10302 54977 62098
16060 48054 50107 99724 93131 00761 72502 26694 02415 82510
86237 56271 31274 49236 53603 69447 93810 62269 43146 76773
25715 20800 51850 83728 19569 01486 67116 21036 39241 42811
25754 51444 53689 66626 77733 94390 02342 48471 44035 59929
83378 73605 06185 47688 53298 94276 69753 06764 07049 50697
17637 05841 02334 75118 27408 26506 83955

14945/16145/18245 kHz, 24-06/27-06, 1500/1520/1540 UTC

912 912 912 1 8018 173 8018 173
68564 07850 78314 02157 06617 63615 95961 02900 41108 15352
00688 18615 19711 46841 67526 90426 59939 87453 35726 98412
18142 51782 06435 01499 57738 60157 60234 97494 42381 60399
57276 62919 54337 39663 18191 08125 87829 43161 61756 61245
58030 95197 98348 39789 17304 07960 68454 21473 58811 02331
81307 00967 38794 88288 91480 85999 31258 80040 71251 04290
18965 63931 34001 03538 56268 98404 90117 32360 69135 23638
20898 68872 49289 42982 86397 68927 66829 57013 36556 77662
80457 65995 80194 95555 11304 10796 79157 77211 84326 22883
50666 48688 71568 28444 21660 35456 37878 36097 27146 11510
08271 39770 13464 31048 79726 95352 71520 89505 47319 65296
68738 99890 20590 37848 64109 02911 64191 78235 33809 33204
24944 58015 22527 57860 02283 99850 47343 97114 62347 19067
13065 93115 88745 20413 54997 56053 43428 26883 17265 52401
07551 85866 17723 22374 33875 96353 84093 42539 45813 41596
80408 10585 33260 38462 76424 24644 77190 61279 92727 77065
37800 89120 37415 90490 76081 08210 09766 30126 78822 99371
87800 67031 50810 000 000

E11a

15915 kHz, 02-06, 0715 UTC

751/38
86516 37257 32202 23090 87116 09952 74972 50490 71098 80803
25823 29896 23702 95533 86002 03387 04617 93890 72212 00549
65049 44508 93384 45758 43458 06587 72163 33228 74241 65656
92334 13946 25414 79273 46498 97964 46698 21726

20640 kHz, 03-06/05-06, 0745 UTC

225/34 Attention
99848 71118 31435 85902 81216 19013 64292 44549 50393 68156
77430 59491 02818 56700 61718 36008 76542 00150 34177 46614
46324 21269 71531 21153 29585 06316 60368 18290 15009 19076
99075 21760 19064 28562
Attention (message repeated) Out

11092 kHz, 03-06/05-06, 0645 UTC

510/35 Attention

01063 13750 58845 40335 19057 81727 86671 16152 65568 39552
90181 89025 41578 38437 36823 31236 11738 51502 75402 49743
40354 20232 30652 47385 84553 74216 35594 13684 14859 73844
33106 52826 90784 82347 36260
Attention (message repeated) Out

6923 kHz, 04-06/05-06, 0930 UTC

273/37 Attention

16685 89362 73079 21875 73117 47710 90413 70886 49077 89512
44283 57417 65017 70155 28510 75095 09469 83805 43956 21004
19324 90261 20237 58726 77590 96732 40691 68931 56688 75631
78325 29183 62303 91821 10554 45165 59991
Attention (message repeated) Out

15720 kHz, 05-06/06-06, 0745 UTC

340/36 Attention

63377 60657 61638 06376 77226 63448 85308 77756 14882 60252
69327 30288 01997 21437 74198 67842 37499 82741 18103 52477
14923 85023 90737 89548 87979 44177 75316 18775 89469 79056
36024 17832 53028 42053 94185 19283
Attention (message repeated) Out

5737 kHz, 05-06, 1300 UTC

315/36 Attention

75119 28206 94945 54862 14061 06296 87339 60130 60229 09686
38184 61882 92772 25072 44260 41201 93628 10069 40498 32645
66124 10573 40714 62084 20071 89055 90764 10079 10048 75847
72104 96175 16269 16462 86503 78455
Attention (message repeated) Out

12815 kHz, 09-06, 0845 UTC

713/32 Attention

19528 00416 09099 96512 49524 87630 88666 47604 22668 99304
62405 39023 56712 66180 82238 98815 89017 00155 03697 69940
04992 93262 38868 62045 12979 74369 01628 67788 83079 76563
86751 48993
Attention (message repeated) Out

10210 kHz, 09-06, 1045 UTC

696/31 Attention

01925 23319 74001 16979 15254 71672 70075 97156 48718 62129
86691 17619 97414 98233 25568 28978 27277 93579 34763 99707
58143 51000 03961 21811 15042 64945 27393 58928 98851 69198
91840
Attention (message repeated) Out

12530 kHz, 10-06/13-06, 0715 UTC

639/34 Attention

80284 82619 66535 51396 44691 48315 99195 54659 83228 29477
88684 89408 15648 36345 28913 40448 89489 87292 55952 87845
43962 87899 24997 30671 58702 90803 32921 15200 05926 35276
07086 77566 05310 29592
Attention (message repeated) Out

14575 kHz, 10-06/12-06, 1645 UTC

335/35 Attention

93930 00338 59378 67085 10967 22600 62134 94745 68301 14403
09787 92645 99475 58619 16914 21094 05773 28658 71310 82931
36778 70987 30268 05190 54642 38023 06901 24113 46166 08855
70517 63514 70519 53726 20874
Attention (message repeated) Out

12815 kHz, 11-06, 0845 UTC

713/32 Attention

19528 00416 09099 96512 49524 87630 88666 47604 22668 99304
62405 39023 56712 66180 82238 98815 89017 00155 03697 69940
04992 93262 38868 62045 12979 74369 01628 67788 83079 76563
86751 48993

Attention (message repeated)

10210 kHz, 11-06, 1045 UTC

696/31 Attention

01925 23319 74001 16979 15254 71672 70075 97156 48718 62129
86691 17619 97414 98233 25568 28978 27277 93579 34763 99707
58143 51000 03961 21811 15042 64945 27393 58928 98851 69198
91840

Attention (message repeated) Out

12229 kHz, 13-06/15-06, 1815 UTC

921/37 Attention

19443 02660 30153 67500 87966 19771 97662 33329 08458 69055
89836 52298 96202 58084 35015 11932 63277 45903 47040 68844
00718 56863 38485 77711 75281 01211 95658 22559 29989 00215
28538 23825 55821 78613 16668 12381 89996

Attention (message repeated) Out

10508 kHz, 16-06/18-06, 0645 UTC

418/39 Attention

24201 15080 43006 36960 86304 47967 21309 47130 02180 05648
54710 14857 33519 65719 29755 50929 29585 15801 43538 53393
77472 56490 00992 96188 31461 97107 85816 75751 09863 98457
21588 70285 66027 40175 40888 86010 08833 90578 06733

Attention (message repeated) Out

9610 kHz, 16-06/19-06, 0745 UTC

266/31 Attention

71477 68100 88664 95011 57988 04677 52894 13557 33632 35790
96543 48852 46750 47054 12075 57118 37184 01233 60525 69796
17020 61380 53922 93791 16500 83726 61641 60344 07828 86482
07542

Attention (message repeated) Out

11116 kHz, 16-06/18-06, 0900 UTC

535/31 Attention

88301 92131 29124 71766 56421 83755 43197 07298 22729 39741
63843 13879 62092 76221 02568 31586 20149 53647 04285 15635
37684 84683 00123 77202 81935 65822 09725 33224 89748 10161
73239

Attention (message repeated) Out

7600 kHz, 16-06/19-06, 1900 UTC

643/38 Attention

15462 05659 39635 09909 66843 07684 91427 79720 46358 91903
36270 40803 16895 86091 78069 87632 66184 99940 67469 03335
21382 95822 89133 27215 03556 79972 54373 24966 28550 50507
99345 78326 81275 53372 88477 51344 38462 49501

Attention (message repeated) Out

12984 kHz, 17-06/21-06, 1430 UTC

910/35 Attention

91917 34718 24292 49285 04132 74147 91809 45961 37428 77056
65702 93274 47143 73213 44502 36757 07646 89923 78945 23368
07391 08947 89139 50741 79543 23198 82135 51126 84716 20566
56366 75554 57750 59454 95140

Attention (message repeated) Out

5231 kHz, 17-06/22-06, 1605 UTC

231/31 Attention

01131 88176 76724 74885 38246 03795 03827 98871 70095 26714
35632 89469 98375 20946 85435 60378 79610 66237 54997 62734
33072 86639 33166 07577 90253 55512 17709 81172 52242 66335
64414

Attention (message repeated) Out

5409 kHz, 19-06/22-06, 2000 UTC

522/39 Attention

53470 47163 06668 04228 01716 77691 63823 97866 29776 49775
26282 53975 11504 29390 49340 87172 44885 55776 70258 78556
62695 29232 63969 88207 13851 63815 56997 45926 61107 87237
50916 35141 23646 98026 67884 47265 96563 67581 17429

Attention (message repeated) Out

9150 kHz, 20-06/22-06, 0600 UTC

355/34 Attention

66238 30111 23290 27780 41864 56010 71497 19850 76904 68652
54931 83009 17641 14022 85682 59874 28593 21597 39372 50405
88623 63282 27399 79067 12500 50658 68184 71971 75093 33679
21742 72678 91145 47425

Attention (message repeated) Out

9610 kHz, 20-06/22-06, 1910 UTC

614/35 Attention

19284 39694 71955 56090 91273 90967 61905 82940 69294 20862
11584 99351 86954 44968 99796 00183 70305 93460 36452 90562
01851 27883 24040 73168 06049 23654 91777 33770 23607 82094
56066 26385 16467 72765 12240

Attention (message repeated) Out

5082 kHz, 21-06/22-06, 1645 UTC

363/37 Attention

19999 95781 04978 57912 71602 14305 36767 54402 34517 65568
68210 91512 05741 63686 17055 97214 51734 37730 09373 68464
33688 31522 03521 81450 50796 98330 00456 28349 93655 34527
39395 24588 22398 85396 01412 97425 14038

Attention (message repeated) Out

14410 kHz, 23-06/29-06, 1745 UTC

242/38 Attention

39338 71774 38448 52691 49886 95059 88412 39523 79178 71884
03321 61153 25317 46023 24539 02023 04050 66121 08163 65550
41429 94295 64332 43703 70145 73916 59006 08030 56393 56262
02960 74670 23282 23601 98913 99040 85349 53488

Attention (message repeated) Out

8680 kHz, 24-06/27-06, 0700 UTC

579/31 Attention

72222 86406 94066 68479 14930 90730 51618 38071 12215 90960
55936 54519 62011 90342 99790 76436 61170 17051 94812 71660
80476 71046 51259 73916 81056 77853 78893 40241 75864 40879
35380

Attention (message repeated) Out

17378 kHz, 24-06/25-06, 0820 UTC

138/39 Attention

32904 61758 13597 20574 24541 99508 56248 05416 80131 63728
37955 33774 82771 67379 19306 09952 40098 51094 17403 54241
36497 94029 59674 52507 02678 85230 75715 29828 58514 75665
81708 55248 00082 03921 25441 87069 91369 74853 46079

Attention (message repeated) Out

12153 kHz, 24-06/27-06, 1000 UTC

300/37 Attention

22128 27047 24609 26261 74326 13868 72977 70477 61308 23532
65904 42189 15249 22445 36275 48822 59856 46005 64249 40725
59744 90285 83421 72876 98268 72787 88188 58173 68036 86012
64907 29872 28917 45750 44262 86952 91190

Attention (message repeated) Out

8274 kHz, 24-06/25-06, 1205 UTC

461/38 Attention

03008 51009 99646 80710 88718 53719 58826 21705 97632 00516
60456 21418 60782 94655 59759 62510 45165 73138 14725 58318
69706 27662 78669 33331 90260 09963 32811 98428 92056 57936
66696 93672 78819 31036 03247 38564 50509 10456

Attention (message repeated) Out

4783 kHz, 25-06/28-06, 1610 UTC

394/31 Attention

27047 49943 38310 49106 28059 20708 10514 53430 78083 07872
48801 23122 86653 96657 45503 00345 47533 67971 40944 04788
93568 34620 03908 71260 40791 27562 08569 99065 78335 69740
06011

Attention (message repeated) Out

7863 kHz, 25-06/27-06, 1715 UTC

977/34 Attention

97888 92040 80268 50208 12132 93857 50145 95214 88909 07619
83341 41105 02028 95680 60656 41151 92835 09004 29285 97209
89288 84143 37235 04589 47879 73292 87029 17823 30850 51190
50596 20350 93452 17859

Attention (message repeated) out

7984 kHz, 26-06/27-06, 0720 UTC

436/32 Attention

97621 58725 35149 20195 31158 76335 84003 41284 39070 13929
60208 21584 75778 08252 79063 22361 73425 00718 70868 15898
04287 05781 14686 82491 72966 26656 36237 84376 45216 69309
05518 24045

Attention (message repeated) Out

7377 kHz, 28-06, 0700 UTC. No transmission

7377 kHz, 29-06, 0700 UTC

490/33 Attention

41409 84925 73457 66755 12837 92168 11719 94840 26248 25987
03947 13499 38241 99929 03545 69523 96216 66653 98685 59179
98619 54106 44949 56752 55688 40532 82463 65684 73822 50297
85897 01191 24926

Attention (message repeated) Out

S06

11616/9322 kHz, 02-06/03-06, 0400/0420 UTC. Very weak signal

480 167 53

21415 64725 97824 28898 516 8 19615 71691 58112 10757 53455
73252 73321 51846 24263 54778 21787 15461 34236 91685 74779
11353 74102 21564 23938 68684 19532 47948 78891 92904 59275
96782 584__ 89917 59031 59522 91808 43463 95635 64988 74147
26667 _____ 55537 40__0 93685 23779 65670 _____
26514 12316 _____
167 53 00000

11616/9322 kHz, 04-06/05-06, 0400/0420 UTC

480 253 26
51804 32798 84542 22851 65981 32748 13106 27133 83108 31482
57327 26396 95666 10328 93449 24581 14979 14963 35172 79319
48891 70065 13135 92611 26421 81317
253 26
480 719 27
03781 23850 02337 07957 39412 25601 86780 37188 63508 50113
01259 88060 04694 62352 54857 22261 27746 42823 08181 68224
76851 97598 92244 59325 85369 00862 89964
719 27 00000

11616/9322 kHz, 06-06, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 09-06/10-06, 0400/0420 UTC

09-06, 0500: inverted morse during the callup

480 632 55
23036 04259 13713 54855 40798 50972 25759 52295 38162 09235
77305 26340 65634 11238 02629 89948 70884 84765 62793 34161
12709 16738 32120 04196 60239 43024 16007 32279 75848 56716
61021 31899 05182 52027 43232 83179 22758 46069 45693 64049
06575 45591 61017 06901 40148 50963 80004 85422 65438 14546
52222 61302 35092 95636 29511
632 55 00000

11616/9322 kHz, 11-06, 0400/0420 UTC

480 480 480 00000

No transmissions on 12 and 13 June

11616/9322 kHz, 16-06/17-06, 0400/0420 UTC

480 951 60
89078 75429 23492 44110 67491 04719 11839 74159 53353 82338
92551 96149 32285 06185 79100 72422 65972 09563 37410 04552
97019 54205 94666 96127 56635 37439 18932 69548 42336 49457
49229 35253 57856 41323 80826 36833 32455 91745 35365 20459
61799 77269 70546 02061 37629 92306 09061 30702 58364 69459
91431 71581 37863 92362 82485 57102 54520 09884 23421 73451
951 60 00000

11616/9322 kHz, 18-06/19-06, 0400/0420 UTC

480 251 29
12327 28412 87121 05912 20131 87919 11991 91440 76246 23637
30263 01041 14567 62436 38281 01361 68013 42339 68213 38578
69116 09164 40055 42131 87405 97262 34031 30499 77064 61516
231 29
480 367 24
82192 15202 23698 53465 13948 75706 11704 05201 52545 75208
76479 38726 35123 96361 91023 92749 98759 17194 83738 75560
91321 84151 97379 28549 32816
167 24 00000

Note: group count error in both messages. 29 vs 30 groups sent and 24 vs 25 groups sent

11616/9322 kHz, 20-06, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 23-06/24-06, 0400/0420 UTC

480 793 56
66423 05469 53382 32575 32650 08493 64568 51953 62300 98164
08223 87616 32157 28107 75965 90215 33245 17281 56817 50933
26827 73737 74700 82704 19254 12603 97115 57393 16596 72991
38464 16113 44997 63535 06420 94877 47694 91205 64824 32778
94623 53130 11502 54859 65577 96086 94472 46894 92816 73351
14969 64247 74106 53615 90713 41974
793 56 00000

11616/9322 kHz, 25-06/26-06, 0400/0420 UTC

480 621 30
34423 23524 21726 03602 29144 71880 56710 41694 21312 70440
84100 81580 85309 62764 54977 20036 86922 62336 34490 46462
66396 11568 15625 05453 20020 33474 96346 76258 66181 05716
621 30
480 953 27
23469 55635 50327 79914 67709 26972 54852 27583 60470 08863
84719 28888 76341 82537 62461 53399 22730 57752 75502 06476
42607 05300 32474 79594 09941 52906 36431
953 27 00000

12211/9322 kHz, 27-06, 0400/0420 UTC (0500z: wrong freq)

480 480 480 00000

11616 kHz, 30-06, 0400 UTC. Off after 4min. Restart at 0405z

9322 kHz, 30-06, 0420 UTC

480 671 52
22723 15403 55473 31272 73081 49067 52968 63755 56196 45547
31540 88148 89204 33498 19787 49088 78653 35649 60820 84465
00632 41207 18041 73074 33066 34616 62656 90951 31124 41588
47628 99852 63314 78373 97727 16282 50421 15174 70392 34538
74456 89668 67076 02193 49826 31565 99769 71457 73876 84726
42382 74852
671 52 00000

S11a

18773 kHz, 06-06, 0720 UTC

389/37 Vnimanaye
16791 88935 95839 28941 17996 74562 93806 06101 22872 21134
15099 80541 39699 54404 88487 57506 63567 58584 00460 17901
91618 04990 30894 82993 25845 13303 21820 26173 74087 25205
78373 60361 60362 96880 08627 18775 92880
Vnimanaye (message repeated) Konets

12457 kHz, 07-06, 1850 UTC

282/35 Vnimanaye
66854 79062 34119 75705 24439 54185 21544 98558 53449 56125
58432 07471 99178 39247 46307 60695 35808 65478 11805 65987
47483 31137 57342 90337 69643 23359 98172 62553 02182 70975
56864 19960 94834 71963 04885
Vnimanaye (message repeated) Konets

9339 kHz, 09-06/12-06, 0700 UTC

477/33 Vnimanaye
81406 80872 70094 69738 34395 60189 47702 74716 23740 48790
82575 59036 46524 70930 22979 97354 03403 85494 49297 39331
86375 54459 40639 89422 10081 21738 52316 48707 08778 91666
70017 94231 59218
Vnimanaye (message repeated) Konets

9448 kHz, 10-06/12-06, 1400 UTC

426/40 Vnimanije

05022 02690 06446 05163 95026 90331 01689 88011 92838 74715
91803 36414 36173 37482 68021 29735 41054 81600 64361 23294
17289 92905 21033 56949 94393 16556 67588 85054 16198 05048
66054 48704 26336 21244 90816 24555 83434 44641 52546 72879
Vnimanije (message repeated) Konets

5149 kHz, 14-06/15-06, 0830 UTC

373/32 Vnimanije

23126 54776 58498 95687 71597 48785 73368 21575 55448 50677
63470 93329 10816 81823 33150 60436 28087 47279 93506 74082
58605 14322 14498 10933 33366 12872 02161 96233 61578 88375
45204 11232
Vnimanije (message repeated) Konets

6814 kHz, 16-06/20-06, 0915 UTC

485/33 Vnimanije

97916 44423 38630 75827 18430 50953 16749 13011 39863 36961
90022 78814 70566 68050 72623 30308 17376 43025 24865 94629
11506 41444 03169 59357 92565 83399 36344 11115 55585 43097
64668 26370 63658
Vnimanije (message repeated) Konets

16357 kHz, 23-06/25-06, 0510 UTC

650/38 Vnimanije

52630 34405 01441 59633 37169 48928 10944 68965 21613 21100
93216 80826 14526 38302 33771 01971 09885 92710 67741 86099
30419 63853 82575 62050 57392 90717 58094 54488 16371 08377
66358 62850 40324 30741 52558 13868 62108 42812
Vnimanije (message repeated) Konets

V07**13927/13427/12127 kHz, 01-06, 0700/0720/0740 UTC**

942 942 942 1 8723 63 8723 63

60552 91898 56972 12400 82264 69740 68217 17104 96380 80433
87681 12063 70044 47706 50505 89500 54702 75476 37951 44393
51171 61244 06479 17183 40542 96403 57947 00839 98278 75236
23688 91733 39845 29050 57716 95936 10410 94582 64581 70641
09674 83250 85114 16520 76792 39075 25197 43329 29858 67404
88312 79808 66554 93807 20907 75607 02235 19264 90533 28864
77150 44504 46057 000 000

13927/13427/12127 kHz, 07-06, 0700/0720/0740 UTC

942 942 942 1 8982 94 8982 94

55568 78879 06973 55042 83271 19392 64985 16686 36468 58321
82859 06539 59751 02253 80363 37732 28673 30515 47679 34890
74689 96072 47646 11739 07568 01522 14914 80201 69826 03332
73275 97942 87522 66131 02523 50959 60338 01882 34483 81547
09817 92706 48928 23116 61161 63140 98423 96625 21472 40655
18531 57582 06084 64025 12576 32599 25128 06080 00589 78635
77822 62846 37704 28203 92469 77476 93949 34519 05469 72485
90527 96718 15886 43784 81308 20552 93963 69919 79552 60144
85873 06652 18852 40895 79394 59466 65167 62099 05215 57928
61434 98228 68980 49685 000 000

13927/13427/12127 kHz, 14-06, 0700/0720/0740 UTC

942 942 942 1 9566 115 9566 115
 35007 62559 48135 99852 08349 33414 00234 45115 71371 59869
 12215 04767 03687 43754 37446 64981 09597 56091 80988 79837
 84203 07440 92857 16837 36267 35289 56791 02584 02398 22706
 78857 34642 02473 34916 38127 16540 19576 31338 91998 08577
 97897 36682 67064 77930 03367 86969 98463 72220 13102 71377
 28647 81485 55549 29331 98656 68920 12318 97761 06880 42507
 35809 14083 59972 27739 52910 02797 60039 21893 57790 46844
 44024 91161 67587 23226 24088 75071 53199 67636 92007 40922
 67796 43461 43434 63879 72100 31627 22822 42171 95203 47879
 09238 99159 08943 12460 87614 59072 23241 16041 78568 57365
 98589 97751 07884 56943 60599 89274 59556 90454 47433 51597
 25400 10750 42654 87463 69806 000 000

13927/13427/12127 kHz, 21-06, 0700/0720/0740 UTC

942 942 942 1 6448 82 6448 82
 84753 82086 32732 20993 22201 75855 95435 73623 71632 88278
 80277 58167 72654 33757 42495 95371 65518 97583 38732 13662
 07973 88965 47025 63711 38017 82080 36590 56547 59165 98438
 30077 53434 42465 32962 36495 56283 66327 69377 72058 73421
 67500 16867 39701 83957 13479 78340 11921 25334 46020 33988
 03010 93911 27029 48067 89220 66355 68407 19572 78392 52185
 18209 23602 21604 58140 89647 48263 76675 64011 98090 12948
 66010 41181 38551 67286 85644 96313 42566 34310 80499 13832
 26933 26835 000 000

13927/13427/12127 kHz, 28-06, 0700/0720/0740 UTC

942 942 942 1 7931 104 7931 104
 52876 80151 72078 55308 14874 83532 91801 16910 17749 06094
 34941 72117 06905 88723 49346 51023 16741 81426 54458 06465
 96491 87143 65165 61321 87029 49722 43920 35364 29478 99464
 19301 86595 50686 85981 15550 68416 62835 03547 29458 26145
 35627 84348 55009 29902 83962 08342 64055 00042 17994 18211
 66416 59138 11740 94461 95549 62068 17188 91270 55707 10129
 57720 48784 07611 01398 98066 25918 46549 44105 67668 20470
 96664 41995 71388 44878 34786 71705 10207 14882 51420 42223
 58464 31742 94346 90216 45782 70540 57194 47045 74495 43669
 69900 11487 49051 34427 75294 15405 72641 01797 55950 23019
 07619 36759 35060 02993 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)**V13 designators**

- V13 (regular classification) : Standard format. AM/USB hybrid, introductory phrase spoken twice, three messages addressed to three different units, group counts between 30 and 35.
- V13a: Old format. AM mode, introductory phrase spoken only once, analog voice synthesizer, 5-7 messages addressed to 5, 6, or 7 units with group counts between 20 and 39.
- V13b: AM/USB hybrid, introductory phrase spoken twice, 4 messages to 4 units, longer group counts between 50 and 69 in each message.

15890 kHz, 01-06, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 1450, 5995, 9899

Group Counts: 34, 32, 31

8790 9002 2076 8404 8195 7463 8220 3504 9887 1500
 1099 2449 8260 3034 7843 2845 2753 8097 2802 8218
 6461 1311 7540 3983 6215 4210 4688 3031 7541 2829
 8962 2863 6434 7862

1781 2000 8790 2760 2292 0928 8468 6226 1048 1461
 5646 4511 5715 6849 7197 5920 5326 5161 6540 8165

7313 6210 4374 7151 6213 2382 6194 9185 6863 6092
5962 8131

9646 4683 8522 9835 8995 4880 5043 1467 0605 0086
4944 6361 9292 4032 1077 4400 0455 7362 2924 4801
6055 4825 0340 3797 8203 3664 9491 0223 3314 9192
7763

20025 kHz, 02-06, 0100 UTC. New Star Broadcasting. Station 4.

Unit IDs: 0792, 6023, 8567

Group Counts: 32, 34, 34

7190 8558 7114 2407 1619 6857 6592 9333 7442 9582
4422 4981 3644 3615 7366 4508 4863 8913 2587 0850
8150 3439 3874 8699 9866 1753 6914 2801 1216 9467
2795 8478

5593 4298 0693 8424 0708 4863 4953 1882 6650 2710
9976 3983 8185 9715 4033 0283 2557 5766 3342 6060
2076 4125 1992 0542 3796 5092 5475 2307 2294 4843
0931 4858 4178 7460

8273 0924 8356 1139 7000 0688 1860 3723 1051 8796
7767 7071 5738 9826 9722 4449 3052 4439 5999 7937
7064 5625 2749 4774 3632 8411 4813 1840 4268 8621
9192 3226 5744 1600

8169 kHz, 02-06, 0200 UTC. New Star Broadcasting. Station 1

Unit IDs: 2496, 6455, 6693

Group Counts: 34, 31, 34

3153 3941 3349 2371 6941 8177 6348 9013 2339 5349
2895 9061 5337 6080 1252 0195 4894 6640 8575 4906
2941 4227 6291 6667 7409 3413 1330 3327 8544 3968
2052 6855 9602 1624

2143 4559 1393 0431 3564 4999 9309 0711 6500 5420
4081 2525 5141 9861 3859 3278 3293 5201 1368 2495
3035 1345 0264 1055 6576 1557 4246 8869 3779 1893
9222

0475 1869 5255 5111 8451 9342 8627 8944 1378 6067
1755 6044 4820 4368 7868 6932 9990 0184 3856 0596
8380 1478 7828 4396 8018 1492 4839 5275 5281 9329
2088 0415 5254 1106

9276 kHz, 05-06, 0330 UTC. New Star Broadcasting. Station 2

Unit IDs: 2604, 7441, 9607

Group Counts: 33, 32, 33

7552 6929 5426 4068 2059 9791 7558 9496 9573 1449
0322 6804 4822 3651 4922 5086 2634 7921 6570 9577
5069 2784 6931 1932 8113 6116 6885 8174 2582 6283
5614 5481 5635

9810 1181 0259 9427 9520 9028 8774 4889 9830 2611
5757 1618 8686 1883 0974 1157 5615 7077 7843 6156
3084 0868 0955 0461 8763 6079 2830 5709 6844 6839
1368 4722

0833 1091 9502 5128 9044 2230 7652 3814 5790 3971
4243 1296 6590 2631 9607 7345 0332 9606 0436 7283
1878 7563 1027 4784 1068 9265 7743 3617 9292 4108

1489 4950 1118

V13a: 19052 kHz, 07-06, 0130 UTC, AM. New Star Broadcasting. Station 1

Unit IDs: 3252, 3676, 3698, 3745

Group Counts: 25, 29, 34, 26

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294

2466 8255 2790 4817 1491 8742 2872 7726 9763 4924
8878 8271 0202 1410 1434 5007 0216 5928 0096 7744
6505 7704 7080 5574 2060 6810 5927 9553 6439

2437 4760 2956 0858 7722 4952 8815 5099 5732 9530
6847 3386 0076 7052 9888 7739 7494 1976 1436 9135
7841 5892 8646 6893 2878 0936 6288 2799 8770 1612
2731 5436 9606 1743

2680 1774 5767 4981 2851 1559 6097 7396 7463 0803
0763 0597 1065 7954 8058 8153 6119 4367 7407 4938
3412 8187 8169 1413 0934 0671

Note: same batches of message groups and content, but the group counts didn't follow the expected pattern this time!

15890 kHz, 08-06, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 7120, 8093, 9291

Group Counts: 33, 31, 32

2202 0032 2927 5110 0794 3075 3469 6462 1293 0633
9962 8527 8220 6272 4329 6925 7180 8443 4963 6352
6553 4440 4975 2473 0028 1878 2084 8123 6311 4517
5595 3903 3118

7078 3432 7326 9248 7654 3979 9225 8027 9093 7702
7841 9773 8922 8707 4706 1439 4823 5541 9283 0943
7578 0459 7574 8178 5017 6627 3824 6737 0903 1769
6083

3446 8833 3825 7628 1004 3990 7258 7402 1743 7872
2338 1196 5402 1121 7767 8730 0179 9795 8950 7653
4145 0588 6293 7628 9622 9399 2635 7014 9050 7037
8657 8567

Note: last 2 groups were almost exactly the same.

20025 kHz, 08-06, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 2998, 6561, 9446

Group Counts: 35, 35, 32

2451 9529 5786 0102 6037 3162 0342 7762 2998 3541
0558 6905 2968 8448 1237 3738 4764 7048 8794 2953
6553 6802 9675 3129 3278 6658 2213 5923 2705 5971
9900 8109 8342 0829 7484

0371 8033 1265 5528 7387 4399 4168 5412 6208 0743
3429 2120 3783 6668 3995 8249 1768 0236 3266 8067
6737 5316 6971 3155 1674 1089 9314 1033 5478 7727
9242 4285 6858 4001 4824

9811 8126 3301 8352 4872 1658 6373 1294 8880 9696
6157 4038 6911 1014 7724 6620 8968 0578 2041 0089
0995 9118 1717 7042 8484 8182 4635 8822 8967 4132

5928 9256

8169 kHz, 08-06, 0200 UTC. New Star Broadcasting. Station 1

Unit IDs: 0066, 5504, 6359

Group Counts: 30, 33, 34

1535 4337 0261 2890 9516 9113 0837 4290 9752 8186
5409 8206 5277 9831 8199 7564 3222 2785 9602 3528
6548 1697 2404 9643 7938 9046 3304 7280 3363 5616

7933 4226 0281 2700 3114 7872 3954 4307 8250 4676
1515 9633 4825 1371 0946 2281 2319 4694 5598 6554
4783 3469 2666 2267 5815 0428 7919 0812 4021 7631
3498 3014 6765

6802 0315 0463 0654 1881 4120 2468 9411 1311 9639
9909 8446 8834 8216 9576 7375 7692 2326 8171 4604
5843 9263 3047 3993 3749 6001 9954 3993 9725 3419
8272 1124 0757 2133

Note, 6/11/2025 6 PM PDT: Loud buzzing on 19052 and nearby frequencies, which I picked up on both a Hong Kong and Thai SDR. Half an hour later, there was a loud whooshing noise that obscured part of the transmission. Could V13a be getting jammed? Could it be a bit like the "control" stations the CIA had to mislead jammers?

V13a: 19052 kHz, 12-06, 0100 UTC, AM. New Star Broadcasting. Station 1

Unit IDs: 3935, 3990, 4037, 4082, 4218

Group Counts: 30, 31, 38, 30, 32

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817

8742 2872 7726 9763 4924 8878 8271 0202 1410 1434
5007 0216 5928 0096 7744 6505 7704 7080 5574 2060
6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952

5099 5732 9530 6847 3386 0076 7052 9888 7739 7494
1976 1436 9135 7841 5892 8646 6893 2878 0936 6288
2799 8770 1612 2731 5436 9606 1743 1570 2680 1774
5767 4981 2851 1559 6097 7396 7463 0803

0597 1065 7954 8058 3815 6119 4367 7407 4938 3412
8187 8169 1413 0934 0671 0602 1938 6728 2274 5702
2544 3658 8370 3145 3148 6563 6921 9029 3186 4786

7666 7404 5519 7235 4116 5420 5957 8804 6688 1123
4716 4036 1147 0538 5485 6733 0807 9216 8386 6813
9269 2772 7008 7344 4999 6637 1582 2299 9464 3648
1266 9868

15890 kHz, 15-06, 0030 UTC. New Star Broadcasting. Station 3

Unit IDs: 3669, 4408, 8228

Group Counts: 35, 35, 35

2343 6296 8045 1753 7094 7040 6650 6690 6190 1550
3824 5520 1239 0522 4564 8677 9409 7084 0943 5804
5975 0205 8246 1840 2079 8026 1905 2019 3124 0985
6574 4188 9637 7612 7633

9106 6253 7823 6397 4186 3506 1218 4170 6412 6968
2398 6336 9740 6709 6382 8829 3149 3352 4335 9281
4614 3040 8200 6316 1770 3139 0933 6605 0236 6302

8837 8146 5798 6292 9812

5640 7220 2591 1347 1062 5952 7642 4075 3641 8128
8161 1210 5244 0479 8194 6376 9356 9430 1826 9626
7221 3818 4056 5044 9572 4524 6451 3016 3575 0709
6970 7061 2715 3257 2666

Note: this is the longest standard V13 message I've seen, and the only one where all three messages have the same group counts.
Interesting.

20025 kHz, 15-06, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 6520, 6659, 9565

Group Counts: 34, 34, 32

6172 5424 5631 0657 7372 6338 8866 8981 7476 3262
8232 2194 6718 6873 4569 4958 8743 7877 0881 7689
8374 1418 4761 3246 6604 4896 0963 8170 5038 7699
0311 5459 8359 9382

8771 5668 5718 9276 1860 8305 1309 5963 6733 7354
8653 5685 5353 1048 3805 5182 5798 4320 6833 3576
7962 4257 3277 3302 2645 2107 9904 0219 5325 6583
0593 9286 9026 1998

7121 1393 3713 0722 1379 2631 1630 9448 4900 2658
6278 4267 0347 0237 8312 1621 9935 5981 7573 7839
9878 5453 4237 5933 2417 5675 1320 0777 3440 6824
4348 1750

11430 kHz, 15-06, 0300 UTC. New Star Broadcasting. Station 1

Unit IDs: 0038, 6324, 8566

Group Counts: 30, 30, 30

8637 9784 3595 7256 9282 3667 5615 6473 4729 1482
7671 1862 4322 2440 7328 5491 5858 1382 6694 7727
3708 9254 1749 5970 4902 9487 1493 2162 8644 3073

9189 5801 7687 6590 1181 6924 6271 3197 3899 3947
8737 2573 1387 0326 2160 5811 9209 5768 9092 4434
5264 9739 1541 1406 2143 1953 8392 9661 4366 2640

1984 6580 5366 7248 0101 0158 0192 9195 5044 8692
5876 3081 7378 9711 1744 3426 9106 5032 0838 3715
1489 9284 5121 7126 2233 8634 3312 8525 5379 6673

V13a: 19052 kHz, 16-06, 0100 UTC, AM. New Star Broadcasting. Station 1

Unit IDs: 4270, 4667, 4943, 5090, 5356, 5510

Group Counts: 20, 28, 25, 29, 28, 27

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976

7179 3066 1626 3294 4659 2466 8255 2790 4817 1491
8742 2872 7726 9763 4924 8878 8271 0202 1410 1434
5007 0216 5928 0096 7744 6505 7704 7080

2060 6810 5927 9553 6439 9982 2437 6760 2956 0858
7722 4952 8815 5099 5732 9530 6847 3386 0076 7052
9888 7739 7494 1976 1436

7841 5892 8646 6893 2878 0936 6288 2799 8770 1612
2731 5436 9606 1743 1570 2680 1774 5767 4981 2851
1559 6097 7396 7463 0803 0763 0597 1065 7954

3815 6119 4367 7407 4938 3412 8187 8169 1413 0934
0671 0602 1938 6728 2274 5702 2544 3658 8370 3145
3148 6563 6921 9029 3186 4786 2964 7666

5519 7235 4116 5420 5957 8804 6688 1123 4716 4036
1147 0538 5485 6733 0807 9216 2326 6813 9269 2772
7008 7344 4999 6637 1582 2299 9464

Notes

16-0: V13a is on 18040, for the 0 and 0:30z slots. Propagation is terrible though and it's barely audible.

21-06: No standard station 1, 2, or 3 today, carriers only.

20025 kHz, 22-06, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 1318, 3180, 4452

Group Counts: 34, 35, 35

4664 5302 9233 8167 9400 1023 0016 6459 9972 1017
5816 1404 9054 9823 0250 2570 2366 6539 7898 5539
8908 9672 9211 5508 5957 9854 4123 9278 9706 2903
7779 9495 2919 4479

9472 8101 8811 4442 5455 8798 2491 0390 5482 1594
6145 2689 4046 5083 2234 2620 7122 1306 2387 3248
4908 4302 5558 7792 6887 4872 4114 8318 4811 9898
3455 5378 6398 1058 8127

3238 2796 9368 5560 2356 0033 0196 0287 5731 6851
1926 7441 2034 5669 8429 2421 1973 5321 4244 0382
2573 2359 3293 7824 1680 0481 5610 1691 6688 8581
9332 2139 4298 5519 9688

Note: now 6 minutes late/past the hour. They must have an automated broadcast timer that isn't calibrated correctly.

22-06: No station 1 V13a or station 3, not even a carrier up.

18040 kHz, 24-06, 0100 UTC. New Star Broadcasting. Station 3

Unit IDs: 3199, 5910, 6564

Group Counts: 31, 30, 33

4456 9304 1492 1724 3310 9737 4421 5101 9061 9116
6636 9602 2704 7085 4501 0439 5480 0560 8587 2905
4207 3765 5762 3864 4503 3589 2944 6617 7299 6635
8599

8179 9703 5956 8377 1060 7746 9262 3178 7447 0533
5703 3709 4891 0879 2868 4113 6999 1608 7727 4410
2378 9959 4719 1789 7375 9656 3059 9915 0948 3728

5239 0597 1448 4339 1707 0551 3932 7995 3103 6382
1268 1543 9661 7489 8991 1670 0281 2176 9385 6045
9089 9095 1067 9575 4339 8597 2350 9696 3559 3124
9312 1173 1118

Note: still no standard station 1 or 2 today.

15890 kHz, 29-06, 0000 UTC. New Star Broadcasting²⁹Station 3

Unit IDs: 5168, 5246, 6996

Group Counts: 34, 35, 32

7268 6009 7111 5287 7294 2918 0645 4967 9307 6896
0960 7621 1873 4840 1609 5522 5513 1719 6559 6504
5992 5284 4876 5510 0704 4222 6591 3491 7686 9368

0165 6241 4142 2260

0044 0284 8028 8136 9753 1651 2221 8644 8778 8278
5321 7744 0982 9333 0845 7412 5298 0022 0902 6686
0389 0422 6336 5051 4301 8320 3868 6822 4088 6665
4082 4523 4124 4810 0789

7179 6332 2783 6085 9464 6543 1331 3708 7647 9931
7487 7498 3705 0171 4446 1961 8580 7427 2696 7737
0833 1708 3440 4025 1745 7917 6369 5475 9199 3236
8113 7505

Note: almost 7 minutes late now.

20025 kHz. 25-06, 0130 UTC. New Star Broadcasting. Station 4

Unit IDs: 3702, 7316, 8440

Group Counts: 30, 30, 30

1183 1657 2818 3562 2641 4100 7407 9944 3594 4055
7273 5590 2154 8379 4739 6266 3446 6106 3793 4430
3206 4633 4063 2057 1293 4955 5545 6178 3413 7932

5199 3150 8413 8659 3698 5601 9701 4600 7002 6598
5695 5251 3962 1935 3950 4016 4645 1665 0406 9995
6799 9221 6326 6847 4148 0167 2674 6308 7751 0714

2323 3061 5630 9891 4746 8913 2485 2682 1224 2017
6570 6611 1697 6008 8604 3376 3711 5860 3828 8681
2906 8574 0906 3956 2190 4534 0227 3777 5178 9183

8300 kHz, 29-06, 0200 UTC. New Star Broadcasting. Station 2

Unit IDs: 2952, 6343, 8077

Group Counts: 35, 35, 33

8221 5677 3595 1609 0011 5607 7674 4235 0165 5141
3819 7326 7269 7861 5853 7323 3133 1348 6805 8130
1689 5193 1956 5340 6362 1064 7627 6989 9089 8561
6755 6236 9330 1979 8198

5040 0704 1174 3976 8288 8046 3301 3702 5641 5932
2801 5247 0170 9016 9729 3071 3552 1531 7771 0191
7636 1553 9866 8042 6039 9470 0796 6922 6417 0700
7728 2460 7145 4973 4251

2300 1205 1688 8540 4635 3226 6360 4976 2105 7311
1626 8810 6914 1242 8857 2239 7703 0830 5273 0717
8165 5761 3650 6966 2731 5265 1200 0778 7361 7048
5616 4006 5947

Note: no standard station 1 today. Station 2 is back.

As of July 1st V13 has made some notable frequency changes. V13a seems to have gone quiet for now, further confirming that it's a sporadically active station meant specifically for testing and training purposes. Station 1 now sends two different batches of messages, one set at 0000z and 0100z, and one set at 0200z and 0300z, both in the standard format. Station 1 has also started using a completely new frequency for this network. The changes appear to only affect the 0000z and 0100z schedules, not 0200 or 0300. (Fspy)

AVX managed to find all V13 slots/freqs as of 1 July. Read his report below. Thanks for sharing AVX!

Station 1a old fmt. vanished.

Note that St.3 has lowest change count, whilst 1c uses a complete new set, and Stations 2,4,5 also changed heavily. Changes at nightsked are not much whilst daytime changed near totally.

0200z/0300z even unchanged.
Station 3 only 1400/1500z changed.
14944 is much better than old 20095.

V13 schedules

0000/0030z:	1000/0030z:	1300/0030z:
Station 1c:19052 kHz	Station 2:17000 kHz	Station 1c:13974 kHz // was 16050 or 15250 until 0407
Station 3:15890 kHz	Station 4:13974 kHz // was 14944 until 0407	Station 3:11430 kHz
Station 4:18040 kHz	Station 5:16050 kHz	Station 4:19052 kHz
0100/0030z:	1100/0030z:	1400/0030z:
Station 1c:21000 kHz	Station 2:15250 kHz	Station 3:14944 kHz
Station 3:18040 kHz	Station 4:14944 kHz	
Station 4:20025 kHz	Station 5:13974 kHz	1500/30z:
		Station 3:14944 kHz
0200/0030z:	1200/0030z:	
Station 1b:8169 kHz	Station 1c:18040 kHz	
Station 2:8300 kHz	Station 3:13974 kHz	
	Station 4:21000 kHz	
0300/0030z:		
Station 1b:11430 kHz		
Station 2:9276 kHz		

Beaming seems not changed. The usual patterns:

1b,1c strong in HK, Taiwan
2 good HK (day) and Taiwan (night)
3 Khabarovsk, HK, Japan
4 Manila, HK, Australia
5 HK, Khabarovsk

Frequency usage:

15250 : reactivated
16050 , 17000, 21000 new!
15388, 20095 not used.

St 1b unchanged

St 1c (in Nov/Dec. 2024: 7688/8169) now 13974, 18040, 19052, 21000

St,2 now 15250 and 17000 also

St.3 now uses 14944 also

St.4 now 18040 and 14944 also

St.5 now 13974 and 16050 also

And there is some strange pattern I detected in the frequencies:

Freq. Offset from xx000

13974 -26 to 14000

14944 -56 to 15000

16050 +50 to 16000

17000 0 to 17000

18040 +40 to 18000

19052 +52 to 19000

20025 +25 to 20000

21000 0 to 21000

See the orientation around XY000 kHz?

Some additional observations made in carrier usage:

10,11z : 18040 carrier on

12,13z : 16050 carrier on

other: 14944 remains from 14,15z for whole night

also 13974 and 16050 and 19052 on after all finished, even after 0000z.

But nothing heard then. May be for further testing propagation.

MORSE STATIONS

M01

5280 kHz, 03-06, 1800 UTC

025 526 526 30 30 = =
82738 19283 82736 74655 28378 19209 39487 88374 92090 49287
81723 23992 23905 82909 28376 28376 18293 91827 39283 18293
92090 39287 65478 92837 74627 38476 28376 18763 92837 18244
= = 526 526 30 30 000

4903 kHz, 03-06, 2000 UTC

025 711 711 30 30 = =
82887 83948 82765 46578 29387 48578 90903 91878 29378 62738
81726 73648 92837 74675 82910 92019 38476 57064 57283 91829
91820 03948 99283 73644 82736 47582 93849 29388 39440 49283
= = 711 711 30 30 000

5280 kHz, 10-06, 1800 UTC. Errors and different repeats in red

025 653 653 30 30 = =
65789 08576 78390 27489 36574 84930 95847 73829 37534 (1x) 73829 (1x)
84729 84938 90378 (3x) 27890 20790 26753 95048 93723 07474 07475 75349 09475
75349 83902 75849 75439 74839 47839 48790 84930 95647 28476 890577777 8905775849 75849 75839
= = 658 658 30 30 000

4903 kHz, 10-06, 1959 UTC. Different repeat in red. Sent only 29 groups

265 265 30 30 = =
84769 85749 36275 EEEEEEEE
025 (errors, also 0025 and 02025) 265 265 30 30 = =
84769 85749 39576 83928 76385 74638 25467 75893 84756 75893
75894 93753 83963 38694 85749 84739 84739 39276 84736 84738
13246 84937 40937 38463 18374 827499 82749 73845 73845 18045
= = 265 265 30 000

5280 kHz, 10-06, 1759 UTC. No ID. 32 groups. Ends with K. Double groups

653 653 30 30 = =
65789 08576 78390 27489 36574 84930 95847 73829 37534 (1x) 73829
84729 84938 90378 90378 20790 26753 95048 93723 07474 65349
09475 75349 83902 75849 75439 74839 48790 84930 95647 28476
89057777 89057 75849 75839
= = 658 658 30 000 K

9736 kHz, 15-06, 0715 UTC

475 152 152 50 50 = =
70298 39867 19334 13819 68813 91775 91530 96933 09968 87450
43743 57292 49895 66335 _7669 73355 47262 49806 97629 87807
75242 42569 71187 17952 3825_ 27666 0932_ 17936 48059 01886
10860 23077 40294 09792 47912 41855 __474 26434 35680 78504
28650 19495 0289_ 33162 43456 68194 16564 07067 17826 616__
= = 152 152 50 50 000

5280 kHz, 17-06, 1800 UTC. Very weak

025 808 808 30 30 = =
005_7 12348 57684 39876 90577 283__5 4675_ 5589 68593 49001
8_948 37556 38271 27463 58400 68759 47621 34570 89506 57483
58473 27364 58_73 19605 48372 _9582 34544 57685 49304 39394
= = 808 808 30 30 000

5280 kHz, 19-06, 1800 UTC. Odd start and end sequences

025 132 30 = = 132 30 = =

37435 57435 54634 46532 45365 46374 74337 36475 56473 56473
47584 47584 85739 64734 74657 75463 63746 64736 64735 34658
64756 65647 74656 65746 54756 64753 84756 64756 85646 64656
= = 132 30 = = 132 30 000

4903 kHz, 19-06, 2000 UTC. Odd start and end sequences. Different repeat in red.

Sent only 27 groups including many duplicates.

025 453 30 = = 453 30 = =

16253 53625 56325 54637 65746 63526 64736 63726 64736 64736 74387
74837 74837 73485 75847 74837 73847 75847 17432 64736 63746
64756 64736 65746 65746 65476 65746 64746
= = 453 30 = = 453 30 000

6435 kHz, 21-06, 1500 UTC. Sent 025 in groups of eight. Different repeat in red.

025 367 367 30 30 = =
53274 91746 01353 0135 92376 31534 10492 64927 47205 01265 07395
91736 65723 01638 93750 71623 49572 37401 38401 61720 19402
62539 51047 35291 35769 25384 13402 75937 63493 34936 96342
= = 367 367 30 30 000

6780 kHz, 22-06, 0700 UTC

025 183 183 30 30 = =
84729 76936 45231 05917 95037 92937 56182 06937 62817 27395
85721 95627 17264 81746 19465 39175 93847 01649 93759 10442
46362 50372 76038 10249 18403 10482 07493 16503 04927 16573
183 183 30 30 000

9736 kHz, 22-06, 0715 UTC

475 147 147 50 50 = =
47892 82904 14267 66170 00132 88921 72561 81692 01204 01678
47024 21793 74190 03289 94382 83781 03279 91528 82638 01184
23189 82617 90537 02199 93561 83528 03421 94560 23410 24267
29957 77032 83711 52600 62559 63180 32671 74470 94180 42891
62890 62417 72891 00251 83017 40182 82610 81620 62799 23199
= = 247 247 50 50 000

6435 kHz, 28-06, 1500 UTC

025 579 579 30 30
66835 30987 15465 24354 69709 86776 46653 28077 48675 22987
87990 46532 67876 30988 59879 55336 78654 38709 87056 38112
60987 46533 12134 59855 38609 57123 45987 50988 63744 90876
579 579 30 30 000

M01a

4951 kHz, 10-06, 2052 UTC

V EEEEEEE 36 sec silence
593 593 593 26391 26391 (R1m45s)

4951 kHz, 10-06, 2055 UTC

111 999 475 10 =
74102 22154 85631 22154 85631 75361 12109 45240 09855 24561
= 475 10
111 475 10
111 000

12162/11566/10711 kHz, 1900/1920/1940 UTC

12162/11566/10711 kHz, 04-06, 1900/1920/1940 UTC

546 546 546 1 2180 57 2180 57
91734 16397 81518 81471 66035 28708 79366 83069 86482 53616
65353 61893 92847 53109 14019 78127 37866 95656 35369 26903
26625 73342 14536 46113 11778 00679 67781 40850 50584 57198
669__ 83018 89460 73490 21973 54599 54873 73913 60244 44176
72272 85744 32147 79704 41617 69166 47036 24914 05507 02056
11097 76510 46301 07550 __059 18392 01861 000 000

12162/11566/10711 kHz, 11-06, 1900/1920/1940 UTC

543 546 546 1 8678 56 8678 56
52591 32819 86744 93913 07599 54064 74006 45606 09993 40756
87463 73675 42559 42005 41449 24852 01052 36370 17867 56421
74823 36152 34239 54484 02047 31221 37456 78751 51643 77299
53216 07903 26881 98068 64132 90017 70863 41252 94425 47221
72008 66299 71939 60729 59451 26733 24410 96717 49279 91419
10633 00534 43760 73181 55108 16438 000 000

12162/11566/10711 kHz, 18-06, 1900/1920/1940 UTC

546 546 546 1 5026 59 5026 59
32501 40568 91000 37271 21461 50903 60970 22866 97860 38210
76257 14481 01705 99684 40023 41147 38770 81804 38683 00774
19670 60783 00035 85221 98955 31381 68503 89119 11405 52473
47071 38170 23780 92754 39030 05211 37770 38084 94391 71958
23643 44424 59189 17914 96497 30647 99029 79122 87489 84034
62689 72305 31217 72642 69713 71717 40533 05788 38214 000 000

12162/11566/10711 kHz, 25-06, 1900/1920/1940 UTC

546 546 546 1 1834 55 1834 55
97894 51475 90842 12108 46906 17090 78166 57925 63761 31842
39425 22195 89682 51826 50929 91258 68828 21905 57890 40875
41691 27676 82378 47485 88439 90285 50759 47822 62960 27264
99583 93156 77981 84504 92757 97208 00033 40863 96762 68487
77583 26975 55053 31684 57648 39664 07397 15029 30398 36693
29787 78319 75992 82547 76044 000 000

12162/11566/10711 kHz, 1900/1920/1940 UTC

12162/11566/10711 kHz, 07-06, 1900/1920/1940 UTC

546 546 546 1 4110 58 4110 58
05410 10948 79010 51820 56404 08067 36331 58186 68450 76542
00213 11805 96532 39934 23777 64794 80481 49052 87464 09101
44034 79983 75748 44928 54261 01540 63387 18531 95650 92631
83997 98802 26477 11086 68037 65252 31201 46679 49644 64418
76241 74207 63051 68664 63136 35070 83492 91031 16282 x6939
29109 07696 26864 38057 90216 25426 35199 34081 000 000

12162/11566/10711 kHz, 14-06, 1900/1920/1940 UTC

546 546 546 1 8096 56 8096 56
39739 63378 11385 69249 32438 00272 13940 38858 14477 86219
10582 95908 14175 41175 68624 38586 13788 96096 75691 24446
75391 76175 57157 08933 79485 49235 40850 11043 92179 79647
25606 84970 10276 79625 59593 96771 46013 31433 65556 32421
08831 69348 43459 94552 05086 39299 22649 93140 40048 12414
53834 28490 60966 44671 47978 63562 000 000

12162/11566/10711 kHz, 21-06, 1900/1920/1940 UTC

546 546 546 1 9636 57 9636 57
37636 98976 58703 18365 22503 96405 29628 48161 98603 32211
80421 28396 08408 30133 07889 45781 78734 68940 31492 32675
03172 48000 20460 95423 65599 76403 72201 15423 36301 15556
01306 11820 89453 18979 17203 64238 88892 32177 57801 37757
71621 82067 17351 24430 39547 81296 16687 36561 63236 08840
33212 43912 08793 97492 53709 89635 78515 000 000

12162/11566/10711 kHz, 28-06, 1900/1920/1940 UTC

546 546 546 1 2621 56 2621 56
37602 07158 96365 19528 32359 51528 86269 42413 94998 18507
31336 82330 40505 01658 23898 68492 29257 57545 66535 24976
88208 70441 03494 31751 01989 57248 44574 63370 95098 26873
66518 03393 69994 26657 11037 23565 98469 42390 43851 91769
04938 55543 43217 72611 39781 77814 31252 61502 41448 13914
67697 14028 85725 49159 45984 67160 000 000

15823/14823/13923 kHz, 1900/1920/1940 UTC**15823/14823/13923 kHz, 04-06/06-06, 1900/1920/1940 UTC**

889 889 889 1 9828 78 9828 78
14612 61988 47405 22521 84216 08878 41359 44461 49036 52582
80960 60121 21929 75132 54054 12417 82249 04737 26018 09523
33847 45677 22702 33268 94894 90194 61384 92151 13482 54265
57998 38062 51503 42819 69944 16967 73704 85201 15999 88712
51839 91461 91452 97071 40833 78207 81556 74376 70204 22339
03302 53165 69862 60145 37482 74101 62185 34408 10918 85182
26938 23087 77783 28306 19240 90354 99140 20149 34696 51366
97746 13167 55001 19903 55860 33676 41958 26160 000 000

15823/14823/13923 kHz, 18-06/20-06, 1900/1920/1940 UTC

889 889 889 1 9275 132 9275 132
54165 01394 38154 02214 23137 44585 78961 83742 22624 83150
12641 37718 17288 20856 96369 46659 85945 30838 37445 41886
07233 59891 75600 59057 75874 99338 64757 92053 03628 41452
28924 47664 85757 72802 68583 53005 93310 62585 79692 42768
57275 64633 72402 05270 67902 87828 34274 90367 46336 88775
55251 55842 19886 21846 15615 98053 17986 66364 43545 55363
27326 91832 13253 41588 33621 26484 76824 07507 19652 64370
86486 46299 68018 47098 12983 48473 04822 75650 48256 84592
62691 20849 30332 65127 28085 36184 98848 73239 44813 45217
24871 76734 26334 98096 35815 83331 39213 10759 44600 53775
48182 71700 40635 52315 96005 64913 94074 21672 90028 25274
47231 09208 64424 77494 68547 07612 20800 44573 23294 77473
80554 56945 61863 10676 25392 03809 63747 02913 28741 28294
94831 13212 000 000

14382/13423/12194 kHz, 0800/0820/0840 UTC**14382/13423/12194 kHz, 09-06/13-06, 0800/0820/0840 UTC**

341 341 341 1 3316 104 3316 104
26524 61180 80625 22829 85894 31941 66344 45604 60829 17351
90648 01598 11192 86671 41388 85921 63179 38494 89739 57365
85053 64326 89268 80967 91683 68934 88606 94094 99668 98888
59243 26633 25477 80749 74416 00156 42304 08753 73099 11230
07889 34039 32809 85995 08749 58714 95077 12314 26195 10596
00298 37511 89670 59952 47429 38178 81144 18917 79491 92131
20386 84594 10873 40329 60584 16022 05003 84708 27697 93501
34120 61308 72368 63110 51122 88960 82010 75486 12868 13309
15458 86941 21120 76181 54420 45377 17921 14161 20299 98020
12245 52122 99062 37369 17777 75230 09180 52033 60425 21685
59929 18286 05718 93584 000 000

14382/13423/12194 kHz, 16-06/20-06, 0800/0820/0840 UTC

341 341 341 1 2474 194 2474 194 4119
74958 68818 55210 39931 01922 35187 36252 51051 65106 25269
53743 21114 93334 51794 40959 32262 40639 98480 29346 92046
21676 81536 59741 40219 34902 07415 80564 70663 16387 36843
22874 72879 72164 09077 59845 14609 57734 59761 45809 38890
35961 95417 82219 93980 27076 61910 19067 17194 74153 44185
21555 17337 90981 76554 78844 41388 81756 74627 62463 60316
69974 97898 49172 68313 27160 78035 75116 91460 56167 63491
22604 86380 49510 76690 60421 47748 66803 15423 88477 39132
40284 98661 09576 01589 91769 96052 50503 28530 15147 76551
08009 67956 09282 04169 20543 66986 80566 54730 27752 15041
63177 59619 17660 96638 80751 47402 93138 64315 50899 82920
84179 07523 64101 74394 62907 49654 29456 74091 76441 06823
47854 13285 96757 76587 05731 10106 68646 30960 18253 87511
62054 12310 52000 53069 88360 57027 47895 55864 15851 92833
94251 62145 00641 09469 12897 55709 47201 10565 07689 84537
53565 31978 45187 36043 14163 42503 10932 61033 93059 06369
05681 34022 65242 26505 66224 18917 42418 88069 00411 81412
28633 59533 56943 44017 06932 79126 69664 52411 74670 68417
60946 76261 14807 98151 10988 47325 22649 53985 19360 10716
58279 84636 62515 000 000

14382/13423/12194 kHz, 23-06/27-06, 0800/0820/0840 UTC

341 341 341 1 1449 121 1449 121
67156 64620 27842 57268 43828 26951 86793 56869 74428 93523
38084 19981 47007 08728 48415 62388 01201 30101 27606 55840
44495 69185 37267 77176 14777 01495 26099 84634 26767 92180
26885 84672 94730 61394 21200 69268 95256 38353 97821 62131
07996 31651 53602 13109 33441 46460 26301 52163 05554 86996
21357 10232 13052 28783 95032 42739 57319 02937 73697 02187
67900 08831 52793 81912 67923 06065 88680 36912 35941 21823
40312 86348 06887 72770 62858 89346 46940 70946 92434 07193
84756 12579 19672 37672 98224 47066 25033 63747 53805 02744
69675 03304 06592 05893 39445 51905 68186 76133 26025 87238
05694 14379 27214 79894 04433 07766 50950 66002 77690 25718
28339 72724 80450 85546 74546 41019 82132 43653 74424 58599
76807 000 000

14382/13423/12194 kHz, 30-06, 0800/0820/0840 UTC

341 341 341 1 8602 95 8602 95
41028 92803 41003 36654 39416 72750 84041 46992 38745 62465
69054 22348 54314 88011 50354 96606 88407 51935 11029 28383
02557 62073 35947 68381 57178 83798 67147 52525 44259 39241
88295 04585 88146 07983 95641 60002 69720 50607 69966 04402
90592 71812 91214 29775 77571 73714 76744 20412 42600 94635
47874 70234 14932 45038 64623 30247 34095 57378 50686 82798
99570 71638 93271 00819 98170 36514 69236 46967 47193 23252
82178 60216 96898 52053 56953 96990 10313 42316 80236 92412
35992 65418 68591 91126 87207 56729 60084 47495 74535 42971
95165 84635 22267 71537 17425 000 000

13386/12189/11491 kHz, 1230/1250/1310 UTC

13386/12189/11491 kHz, 02-04, 1230/1250/1310 UTC

725 725 725 1 2816 139 2816 139
77928 73083 68932 80407 36495 71657 31509 83565 00378 74642
41266 34647 97123 43269 20149 54598 42080 58089 85328 89970
43364 04509 38424 24081 47891 17863 87906 58506 98523 40768
90981 03839 70721 17129 18182 59821 52128 26514 39592 48293
74509 01635 24074 09930 17353 41065 64942 46820 92992 06149
54277 02590 94536 94748 21376 73419 34658 44851 32515 18632
83749 73001 85041 59608 83660 37426 63924 79993 25087 60326

02470 15566 18496 37034 15461 41729 80433 28494 06727 06826
52920 41086 65513 92373 86489 88390 09302 75971 95752 44761
25162 07276 93997 20960 64542 01507 16592 64464 26269 79925
77129 84948 21732 32665 03679 38711 84093 57501 79286 79645
92984 06164 38123 25689 65710 42663 07488 92667 73118 95268
28124 87952 84239 80324 35163 95192 21567 97534 72490 13953
25137 15968 02224 26800 29685 67971 19353 32847 88693 000 000

13386/12189/11491 kHz, 09-04, 1230/1250/1310 UTC

725 725 725 1 5340 123 5340 123
99610 70997 27736 33561 71896 70845 78635 89539 07780 84732
85591 31044 74238 57202 65747 75824 95805 18619 75968 14810
51420 97085 04459 00166 18760 19602 45331 68306 37901 62481
96954 82291 29338 03925 24988 21216 02471 57345 04916 18845
23694 12668 18540 09128 87899 15156 97261 76225 23505 00160
14675 94486 84931 73795 60963 02524 66537 27569 14800 52294
25513 10329 51637 45297 87777 03299 01705 70312 32213 44531
73353 38460 13643 57123 91115 38751 78545 95330 12265 03604
22339 69105 44800 37740 47806 02467 97359 55542 42961 22464
54677 74900 42544 52680 93330 13365 61029 73241 21350 84599
13450 26948 44011 78973 26806 76213 80842 27808 82679 22211
23977 71206 15304 11196 29954 56407 65527 13897 97490 85310
05939 46162 27351 000 000

13892/13392/11592 kHz,2000/2020/2040 UTC
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13892/13392/11592 kHz, 02-06/05-06/09-06/12-06,2000/2020/2040 UTC

119 119 119 1 5578 201 5578 201
78902 08598 31282 51351 18982 10997 24563 92106 14924 19782
19039 92495 01980 02882 58249 91714 50667 29675 18918 39328
41284 44926 23919 12969 06860 03243 48847 15887 05396 42758
64566 31437 91958 72484 96962 39560 37003 81814 52253 77017
23912 62088 21131 81209 68370 58672 79987 36853 57638 59521
71617 92925 89215 93698 79207 53023 65070 20554 77247 14660
45686 29799 69959 64634 76762 63133 30556 00191 41900 69108
44672 24536 93517 28969 05354 92286 66705 35384 76482 37184
96109 55729 18535 48750 42283 67034 90431 90947 94611 73164
16541 51255 65861 99323 39947 85316 99675 00359 04798 73971
92806 39706 40704 16139 91708 25345 32179 86844 50013 87546
41113 42194 25468 33297 74447 44238 03060 07099 45738 38604
02575 21811 00724 99424 98579 81054 13954 65842 77917 67020
62588 38004 57943 19668 97426 13980 04280 76259 10185 22508
02309 54986 43102 01716 42343 54305 25278 41096 67909 58646
01111 17607 28729 76850 62553 68173 87951 66743 19723 02834
77605 46502 63294 44391 07832 72239 57183 12467 57250 94439
69189 78403 59772 90493 49414 49106 23406 07988 13549 30267
71215 48464 23947 26450 69445 40602 15439 85129 10724 86908
51190 00284 43744 96601 54698 68441 20445 42294 06939 46998
02736 000 000

13892/13392/11592 kHz, 16-06/19-06/23-06/26-06,2000/2020/2040 UTC

119 119 119 1 784 84 784 84
85727 95926 57758 80785 38588 08683 71381 20731 26159 52427
00016 64488 01027 61172 92854 88639 52957 70487 70285 23195
93704 39099 97373 40828 18784 79743 30769 58922 95223 33974
26325 84413 98464 63672 68026 23141 02642 66216 94723 41573
39310 51633 80707 89517 72752 26646 30450 05416 88577 05665
25159 74076 02495 27994 82405 83149 24083 81622 10810 44957
66143 47122 67434 74193 48946 11571 75598 14876 14264 10260
83589 19429 66981 14367 66523 59652 22891 97883 92627 73096
56567 46421 73323 87351 000 000

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 03-06, 1100/1120/1140 UTC

289 289 289 1 7670 64 7670 64
45884 58518 82323 56367 29192 72252 47171 90611 05058 55927
72194 46585 49024 92161 64088 93746 71085 80882 94289 64687
97737 38710 54970 04659 28946 85179 25838 45402 76023 62807
74779 12462 14532 02396 94893 97801 74730 79212 04099 94140
22034 13200 73243 54209 00665 33101 66804 85162 90969 71273
78195 47669 31596 98833 01353 07174 03548 77664 27421 44012
46413 01769 14588 42250 000 000

11519/12194/13407 kHz, 10-06, 1100/1120/1140 UTC

289 289 289 1 8391 63 8391 63
23143 58027 40571 63919 37363 42762 11651 86751 95430 48415
12764 02617 53677 88655 83480 75723 29098 84547 61935 55190
70227 25656 49347 89421 74414 37806 15289 85306 46390 87339
01723 84015 58336 41792 21477 13735 00886 81615 26726 71448
90322 64438 61802 86364 69844 00247 09487 36975 36110 86517
26741 63290 94794 82672 11925 97486 08679 51149 89504 99555
27473 26343 40360 000 000

11519/12194/13407 kHz, 17-06, 1100/1120/1140 UTC

289 289 289 1 3958 58 3958 58
20487 42363 14267 90406 83106 84683 09384 70068 55410 70010
65136 64917 46288 02694 12686 22942 52104 05680 20462 09165
33803 25668 74987 33133 44505 18419 84050 59186 48073 28186
26555 62338 98975 93476 15907 11600 69239 92702 46508 53276
25212 66403 53421 29214 15979 32217 21748 00167 33753 76667
40469 56080 69476 32195 99084 94818 67374 81133 000 000

11519/12194/13407 kHz, 24-06, 1100/1120/1140 UTC

289 289 289 1 3864 62 3864 62
22966 50854 15765 38910 18213 15677 83011 55123 44001 65639
12470 00877 06402 20238 94801 86677 85793 45151 57698 88186
99141 10739 45425 71791 57422 37895 44546 16129 75397 55895
27846 05884 84763 72766 56116 22119 62742 13634 83741 61058
99320 40312 94773 06836 74718 75308 52006 23039 02317 44946
51797 09176 10807 00487 77252 1?226 05429 43972 81487 80317
71129 66882 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC

11435/10598/9327 kHz, 12-06, 1800/1820/1840 UTC

938 938 938 1 5997 78 5997 78
37889 93846 48536 96572 57803 07731 31890 78287 58885 39570
19203 46405 50215 09379 62834 85196 26076 67261 68014 90311
66499 45521 37849 93480 40813 11201 52238 31154 89094 61421
31370 90780 71089 02811 87732 90549 47049 60381 11222 27975
64645 61819 29899 73405 20031 10421 20984 84116 47981 90396
56261 51815 20533 40698 69528 92366 55996 55054 55759 00602
55491 00735 89191 97462 08200 28421 75314 47404 21645 72284
38146 65694 56038 40038 25665 04680 15622 64443 000 000

11435/10598/9327 kHz, 19-06, 1800/1820/1840 UTC

938 938 938 1 7098 78 7098 78
81451 36634 82475 45569 90654 52275 83372 52638 82531 87477
61338 01514 96079 43804 39435 51861 49607 60394 97099 56969
93745 33422 11752 65454 70375 76230 76848 39983 69112 10272
51529 52816 60589 21319 19626 35417 60401 48479 66049 81713
32560 39467 30771 66886 89960 40680 84641 65721 64471 88899
46433 10915 83440 94571 38162 48029 24881 17021 75183 14423
75425 43389 83535 72258 35948 08521 40923 74760 24218 04017

91459 01127 94343 15485 24408 54278 02651 44864 000 000

11435/10598/9327 kHz, 26-06, 1800/1820/1840 UTC

938 938 938 1 5963 81 5963 81

21195 00643 96806 63623 99448 09862 05136 94706 17493 15638
68538 55795 57598 56170 21977 12097 66540 61218 54490 00706
86462 44711 58368 66911 10675 91162 17822 72008 85568 31586
82779 14642 18101 91824 42014 85849 96013 97353 27230 34702
78631 25751 12655 34008 33431 92201 71439 73640 06260 46539
31332 53916 47493 63401 77341 76482 52273 29895 52947 08285
92038 33127 09137 85906 32857 53896 37693 65772 14155 37126
16083 69186 33987 19788 22074 60711 32056 24360 33479 18473
19722 000 000

13368/12189/11491 kHz, 1230/1250/1310 UTC

13368/12189/11491 kHz, 16-06, 1230/1250/1310 UTC

725 725 725 1 8314 144 8314 144

88361 04898 87649 00361 76637 80027 96812 23687 11504 40367
32174 82606 80306 81071 01594 09210 01480 89881 06467 08483
22795 78650 29739 02309 79845 20628 23165 16158 82135 07878
50718 21754 02379 81501 92240 57690 28846 17654 13745 14786
25910 23654 74125 48387 09702 00193 09441 89189 38494 46247
57861 39485 39166 34882 58466 09711 75158 85339 20515 56009
56861 80653 41551 03625 89647 10419 80226 98803 88829 43903
80363 83825 76136 91679 82572 99139 04524 81351 92606 79651
11186 33975 77663 35887 50016 11233 82586 67496 23035 82529
82530 43505 97138 57734 57924 45255 82101 70500 58738 99281
19966 10636 00359 94589 65883 74034 63347 47486 52309 59326
05187 93806 92732 40862 44822 22886 02990 05664 53608 78414
27831 12730 75768 06300 61371 36858 86686 18401 33755 37316
17037 34022 22612 93323 59685 00549 33615 83072 70003 75980
47884 35100 15187 63708 000 000

13368/12189/11491 kHz, 23-06, 1230/1250/1310 UTC

725 725 725 1 3905 134 3905 134

21166 60037 39004 56503 91970 90500 76987 91037 16409 51371
70463 68832 11380 24753 07397 99153 02533 60557 17665 65235
05182 09646 02893 59136 09615 36563 54267 46371 20255 91733
83058 40703 39804 11015 57387 91937 58103 66989 54870 08252
72954 31604 83341 98235 05986 72410 87114 80333 33326 60070
65739 88006 81156 05690 43456 11520 57144 79867 46888 55406
36232 30615 70781 24674 68312 29759 29027 00365 67365 15459
41050 35543 05686 09413 92279 73576 26303 04656 53149 37203
49448 73933 13045 60184 25994 95050 59546 34114 67558 45866
34793 78235 20100 99462 72018 42338 60822 58667 29923 76226
43382 86749 12968 17867 19020 30196 82320 71742 13409 69878
85216 52487 26717 09684 05958 62298 17570 10597 98679 73260
70212 94912 32806 21498 80664 62813 15442 06222 37393 49940
12754 67635 74731 76922 000 000

13368/12189/11491 kHz, 30-06, 1230/1250/1310 UTC

725 725 725 1 6478 124 6478 124

00060 23587 76557 09996 35031 44500 59832 31734 83442 78127
07025 83422 82253 15985 64805 65287 94511 59034 53700 32574
57943 83870 09348 19851 07461 46992 20451 53722 97568 08987
52000 51113 29536 24626 02124 15205 81649 20500 05956 82314
19929 44540 69753 92536 60235 52551 58734 96395 61474 91336
30581 96344 77312 60393 58307 16188 14239 56705 02534 88038
24048 06110 34164 74454 26126 55911 53886 57626 13861 49600
83637 74010 53076 71385 12645 13403 14117 16810 59615 54909
88256 24055 92247 06232 78405 55654 73800 69141 66317 85934
00965 24943 17966 17917 58265 13818 10375 95297 66409 04324

98664 01108 82534 11873 07698 56569 43268 05926 47748 44904
02071 97428 97088 47623 99781 99992 13862 27932 96047 70471
82109 84743 91307 27925 000 000

17421/16141/15928 kHz, 2100/2120/2140 UTC

17421/16141/15928 kHz, 20-06/21-06, 2100/2120/2140 UTC

419 419 419 1 1578 192 1578 192
38420 42624 63434 84139 26750 02301 82030 54772 50414 19235
61233 74095 14928 70312 04071 82060 99331 24753 82064 84846
40048 62111 13328 04672 96831 65333 90008 35087 86622 06198
95016 64685 51973 56147 72887 09219 59166 55695 20045 46938
91573 93377 20564 98624 25530 46254 31871 50623 92519 01959
05031 17019 58511 27530 61604 15832 25411 77507 86704 62422
13306 81384 65942 99336 13897 06668 46343 32995 23095 13310
67284 45545 38641 87901 85171 27739 80610 47379 74464 67651
96513 26140 50860 73266 04228 59595 70927 92848 46309 72823
37047 24978 58204 63087 58675 55765 20079 79947 11562 91447
21947 87820 40793 80382 04550 85702 34270 21990 65932 41596
78825 52491 84665 10941 48853 47987 69543 31136 84573 29169
67424 43746 62269 40378 05060 15438 52979 93980 76120 46339
75624 99945 84022 86765 52896 20827 58640 25714 33753 69798
78511 12992 83831 76705 43970 44392 27537 78697 75163 50336
71412 70875 66038 14709 76539 29282 19095 59530 04510 60094
70437 82944 39423 90819 88777 54095 05367 29331 24297 63580
04341 26712 92118 95094 13596 25454 15773 62187 64873 58016
55722 41821 12636 92310 29116 90943 85116 92846 03900 86103
38025 35760 000 000

17421/16141/15928 kHz, 27-06, 2100/2120/2140 UTC

419 419 419 1 1506 86 1506 86
09568 05727 57137 90657 64211 46690 98728 52048 94019 47619
28346 52512 98685 92494 05811 34037 18617 86577 48997 83024
04596 86252 69723 14610 16303 53900 24294 25815 82361 06028
02415 98118 58297 04798 25659 13178 61290 60048 11579 86995
41560 54077 15072 95741 14741 38820 30895 02412 05128 26473
39826 50068 13324 44147 12425 24058 79361 61951 93846 76667
79973 71095 70901 56683 93245 46842 64243 20133 92232 07888
88597 19122 15687 59317 48685 83069 87429 59966 45072 20418
82594 56213 46288 89641 14823 58625 000 000

9176/7931/6904 kHz, 0400/0420/0440 UC

9176/7931/6904 kHz, 12-06, 0400/0420/0440 UC

Message

9176/7931/6904 kHz, 19-06, 0400/0420/0440 UC

257 257 257 1 1596 143 1596 143
61524 34951 62282 96682 52742 52060 80997 51398 06476 65457
37940 80937 43504 91302 06366 17345 57918 41123 16802 05822
85531 21544 90141 94892 60196 78927 18547 09482 78167 65162
77275 21831 38389 65317 95126 21486 49999 87403 98028 36786
08166 27739 55361 02564 86747 07200 10841 48412 72738 73721
95824 55236 55977 58233 93746 39980 44808 67389 36486 73813
33513 71514 73230 41312 88180 16279 42547 78185 96181 84878
67344 70513 43093 80015 97655 57791 66181 87577 08145 52995
68086 70134 36743 04445 69337 22039 65852 80155 71570 55139
76676 82609 50916 24215 03273 36650 54508 14049 14382 70638
64652 32654 52229 87858 06376 25310 12143 75961 60576 35955
73797 57230 59244 83490 05727 63378 34771 68784 71974 66141
50255 62390 06615 41041 08201 84734 19596 18877 76742 61004
03283 52132 73195 37506 88341 35431 17904 48883 98067 44026
09896 89890 19578 000 000

Clashing with the Russian military network on 7931 kHz. This net is used for stations БХОП, ЙВБ1, ДУ78, 596Е, etc.

9176/7931/6904 kHz, 26-06, 0400/0420/0440 UTC

257 257 257 1 7131 128 7131 128
94575 50566 29500 81650 67860 79572 31958 58746 00266 16867
48886 85111 32574 75602 19446 01637 08421 85943 56361 79712
65470 14344 62663 88610 87850 45272 42339 11174 88513 18656
73277 24482 58649 54568 84175 94318 21904 57376 50642 52566
55969 88412 41421 69775 56225 38530 34777 48690 95443 67481
24504 31987 47963 14209 63602 80231 87901 40888 93798 22588
37232 20783 70232 81608 43589 24403 26461 78005 91425 25126
79731 51043 35301 03794 23742 77056 72921 92887 32384 49319
10495 93647 15730 21031 94151 41289 76518 44440 90964 03944
06417 81014 63576 28053 15333 35186 18180 59811 26186 31822
12069 56771 57263 70316 87748 73459 96685 44168 90465 86545
07309 95012 08504 44479 12093 43583 05052 49200 87456 02299
47884 82020 87039 87481 18708 98715 87466 07247 000 000

14383/13424/12195 kHz, 0800/0820/0840 kHz

14383/13424/12195 kHz, 02-06/06-06, 0800/0820/0840 kHz

341 341 341 1 7593 103 7593 103
92967 24369 06089 82339 45865 73453 84567 12000 24251 86775
18874 82209 74338 81729 88696 50651 16553 58036 81576 55407
20407 22678 20683 21227 54972 05825 66535 64751 02301 32773
12322 07392 93223 99641 44491 69459 44469 74060 59383 13124
58647 57625 09515 03420 73687 28809 18161 10669 36971 65121
24033 20578 61451 03855 19998 62039 79311 79363 56975 70313
46019 03454 03307 53751 05893 84916 29535 93139 89264 29985
74060 53997 52077 99584 57813 71098 69409 08622 81256 05178
08324 30578 68547 06538 90838 95948 63140 26172 56002 56950
49470 51558 77214 92623 95104 35027 07116 12741 07383 16477
59652 95520 91250 000 000

14383/13424/12195 kHz, 09-06, 0800/0820/0840 kHz

341 341 341 1 3316 104 3316 104
26524 61180 80625 22829 85894 31941 66344 45604 60829 17351
90648 01598 11192 86671 41388 85921 63179 38494 89739 57365
85053 64326 89268 80967 91683 68934 88606 94994 99668 98888
59243 26633 25497 80749 74416 00156 42304 08753 73099 11230
07829 34039 32809 85995 08749 58714 95077 12314 26195 10596
00298 37511 89670 59952 47429 38178 81144 18917 79491 92131
20386 84594 10873 40329 60584 16022 05003 84708 27697 93501
34120 61308 72368 63110 51122 88960 82010 75486 12868 13309
15458 86941 21120 76181 54420 45377 17921 14161 20299 98020
12245 52122 99062 37369 17777 74230 09180 52033 60425 21685
59929 18286 05718 93584 000 000

16343/15843/14943 kHz, 2310/2330/2350 UTC

16343/15843/14943 kHz, 08-06, 2310/2330/2350 UTC

389 389 389 1 4439 241 4439 241
44860 58277 48566 32912 58306 79961 71842 93640 47693 10087
61278 12760 99983 73647 69132 20781 80765 20678 66336 99395
00546 14845 81533 39329 17487 63190 71409 91414 64845 06879
33709 93100 05927 05949 48982 37727 07418 66564 19889 20078
01359 76723 96747 54219 33765 83021 74712 08743 76227 38647
05553 45440 53153 87084 40723 57945 78894 22783 97515 87002
65292 37873 48883 34466 52709 06403 78067 51037 00130 24874
38061 82142 35650 29538 14242 35154 23204 97160 88175 41965
41658 35629 25907 15740 37084 09266 92303 71162 85761 22530
08575 05691 99686 83355 43094 66385 09006 99362 30323 78027

98733 46341 81151 49833 82263 81826 19185 93413 91441 55560
94094 97215 11432 01833 74846 93810 74888 63455 28569 51961
18774 18247 01286 65688 25003 95834 80140 49271 95479 79005
34843 35692 11930 30994 46755 22211 47574 01801 19881 11303
14432 27719 38483 80271 83611 28407 65050 27580 91652 27150
86767 84232 82698 05842 72833 51840 42745 56494 04155 04652
49894 84584 13209 08343 16904 52819 39580 43532 62789 33240
93770 50918 61529 20251 98250 14476 49394 42654 56218 97615
27045 43390 78887 48322 27018 08049 62996 63795 85157 73039
31884 87648 88299 03689 74390 81767 00271 10270 29545 77596
50646 59729 47439 09379 42023 14305 00491 27421 02785 62943
25166 61163 45554 34617 10439 94922 89380 17274 70846 85914
51665 12197 34296 74426 38096 03195 41689 74537 00688 20857
96964 62986 92607 60039 75852 60259 39375 63997 69042 50665
88426 000 000

17422/16142/15929 kHz, 2100/2120/2140 UTC

17422/16142/15929 kHz, 06-06/07-06, 2100/2120/2140 UTC

419 419 419 1 6513 171 6513 171
85726 62668 71193 88906 02863 68161 69816 96586 44675 39188
82676 57148 66891 29728 71691 74057 99928 51585 42534 45934
07428 91912 47374 74427 26229 53305 01303 51881 53291 41336
45811 73870 12643 41256 66570 63024 25295 37805 18492 42606
63729 81556 32239 00217 91115 77613 18740 82556 63562 12284
02408 32473 77101 15026 47946 82132 58384 42477 15659 48519
04280 39241 25608 74798 60111 44597 39937 61794 50287 42934
95920 10559 53403 08327 20408 59792 98825 26334 84455 26602
64331 61694 75022 87830 42591 71707 03100 54824 28888 41772
96302 50072 39309 99133 50711 84093 62126 96777 80627 07485
78343 48843 97087 01002 97202 35180 46372 14368 56279 85684
20015 08297 19505 21885 62078 90643 07255 20007 46901 99024
08586 87903 73183 52982 58549 73366 46982 93914 24775 84072
08887 09364 78951 79756 59786 92100 03188 66369 23947 48978
82193 12633 55468 27601 83131 40169 28097 56531 11616 22563
07775 06350 28464 58706 01727 13270 22791 57320 85504 50890
97142 91258 03392 33719 21279 84421 98164 50496 39903 62707
42656 000 000

14976/13876/_____ kHz, 0300/0320/0340 kHz

14976/13876 kHz, 03-06/05-06, 0300/0320 kHz

984 984 984 1 7386 121 7386 121
28330 40229 63348 89239 45365 69276 06083 85678 59770 60920
60540 57711 39862 77090 11815 00172 87850 26785 98436 65588
72960 64300 20489 00574 52074 38020 05890 44559 02341 05222
87357 68651 48820 42584 67314 08434 57501 14542 73102 45666
55082 09722 52404 51579 53933 00065 07593 29558 58741 51448
75773 10168 99431 42779 88427 00317 85746 81060 05312 64103
46435 45142 49996 92843 77542 81490 78710 14471 75781 91332
35948 64269 28570 12900 17634 90255 98974 25126 49569 28375
87969 64864 47042 90843 41452 78554 32197 86562 07790 88898
49931 93296 68011 61973 04858 19348 81290 24479 88421 31748
07994 05175 84979 79932 30226 46734 72412 93251 02152 79657
79660 65932 95488 59589 78356 81032 52709 29656 77903 93844
62912 000 000

14976/13876 kHz, 10-06, 0300/0320 kHz

984 984 984 1 7763 136 7763 136
40716 39639 66595 54102 88458 27759 59031 69352 70281 77391
68778 38010 99161 63029 82808 58862 21225 96499 830_7 81068
03486 85607 79154 72852 94463 46200 44316 30393 13574 29214
21731 95109 66399 97537 09723 72323 67778 12750 59410 42776

29480 39868 96584 91233 98037 86768 14569 04181 19028 17812
46348 96531 52718 01714 16662 49375 35846 43716 99460 26059
62935 40237 99171 94671 43293 235_9 91297 74806 06831 61936
98630 01307 33797 79334 12146 37877 29409 15885 27323 52536
03935 43189 78307 11207 18822 68115 85325 12169 70053 4932_
60585 34590 93908 14328 29634 7_872 83524 30597 92547 59550
93827 34689 53740 27291 10616 98631 12219 20050 72200 46590
77333 59334 40886 91820 08406 09696 44413 76212 34991 71733
21215 69949 66561 93039 79_88 31272 02089 09431 52187 90217
07461 7665_ 47775 07110 52712 49648 000 000

M14

12211/10243 kHz, 02-06/03-06, 0500/0520 UTC

952 952 952 380 380 54 54 = =
92622 03168 84134 91316 69771 53703 51281 52042 61543 69182
91383 64048 68777 90117 63526 80346 19506 46481 41661 66184
92378 68608 37895 59217 36289 79066 30558 53606 09624 82655
82994 37738 87582 96759 64020 40232 11000 89195 05970 63948
75109 15791 61283 12665 81681 74835 43564 40118 02991 20634
64049 76095 31018 03311
= = 380 380 54 54 00000

12211/10243 kHz, 04-06/05-06, 0500/0520 UTC

952 146 146 19 19 = =
85584 28908 17273 53111 03762 46257 89731 11061 07233 09485
21483 79015 48774 04823 30372 54682 34267 23467 56341
= = 146 146 19 19
952 807 807 36 36 = =
68354 49962 50002 36196 52137 56728 29238 90166 64773 02869
19944 69780 23626 52904 08266 98510 84804 56110 59218 69569
30075 74814 26886 40658 59336 40511 03780 24506 62095 05007
45296 54909 66387 78769 30210 32938
= = 807 807 36 36 00000

5 June: 1m31s silence between the 1st and 2nd message. Restart of message 2 after the 2nd group.

12211 kHz, 06-06, 0500 UTC No transmission
10243 kHz, 06-06, 0520 UTC 952 952 952 00000

12211/10243 kHz, 09-06/10-06, 0500/0520 UTC

952 463 463 57 57 = =
25316 64491 21415 12943 38557 98618 44461 54183 94637 27543
27296 37457 46631 16315 68586 98157 56830 78028 16984 70439
25473 36220 76858 84624 21527 97513 65299 20955 95205 32969
12571 80633 76909 91545 23216 60083 92288 94142 39992 39372
48099 81641 77822 20730 68548 15385 19958 78100 86815 53537
93532 03675 21443 51768 66702 62322 92265
= = 463 463 57 57 00000

12211/10243 kHz, 11-06, 0500/0520 UTC

952 952 952 00000

No transmissions on 12 and 13 June

12211/10243 kHz, 16-06/17-06, 0500/0520 UTC

0500z: Inverted morse, off after 1 min, back with normal morse at 0502z

952 718 718 56 56 = =
65262 34401 45675 26953 67852 19831 16781 09976 59013 48736
91167 52976 38247 10496 50073 08900 79044 91381 93985 00766
74409 20947 68294 18685 65690 34906 71466 29470 34390 52958
37920 59786 61660 94998 12804 38771 85154 84135 60853 11064

07934 09965 76511 56189 39111 50539 87517 75213 70914 76463
69129 30638 21880 85552 11186 50443
= = 718 718 56 56 00000

12211/10243 kHz, 18-06/19-06, 0500/0520 UTC.

The second message was 30 groups vs the announced 29.

952 430 430 24 24 = =
36743 66858 58000 62540 84506 91168 36212 82916 62953 16136
74212 86277 84340 34943 72449 22588 12139 08196 25139 93867
86110 58010 34448 43833 64263
= = 430 430 24 24
952 671 671 29 29 = =
06335 05861 98914 25120 04879 92698 28603 75563 89669 92304
68854 07754 04417 30622 61372 65145 16075 65836 89156 98066
27924 47529 41001 29950 29467 59904 96396 25613 56576 16290
= = 671 671 29 29 00000

12211/10243 kHz, 20-06, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 23-06/24-06, 0500/0520 UTC

952 308 308 51 51 = =
20901 78830 93254 63204 96838 83205 24784 00268 34995 16989
02754 05609 90248 91369 42078 23606 08491 30800 14991 40300
19319 55213 55893 76408 44843 42808 69042 94491 79292 46842
06249 56228 19117 64865 06796 90713 48253 83826 16738 59743
08265 49506 20791 30995 08026 33695 16990 95066 52647 97563
37302
= = 308 308 51 51 00000

12211/10243 kHz, 25-06/26-06, 0500/0520 UTC

952 614 614 28 28 = =
38851 65782 48237 11586 67914 93505 96315 85126 30566 27488
99821 20545 46597 49910 61049 61215 67433 65622 17887 39815
47641 78400 18882 22407 09115 30594 15210 36998
= = 614 614 28 28
952 780 780 26 26 = =
86248 21355 27958 62939 05708 74033 88865 58082 49590 09964
29550 58747 99576 95446 45936 41698 00201 31732 12223 92657
28687 22986 14452 42875 21534 27943
= = 780 780 26 26 00000

12211/10243 kHz, 27-06, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 30-06, 0501/0525 UTC. Late starts

952 463 463 51 51 = =
23096 01622 95796 91429 03457 08318 58317 72190 62788 56&63
24139 72533 36988 71316 26401 59886 46851 50487 93326 58748
06754 00116 02864 67612 27972 45688 03031 04482 65057 57595
08938 35704 78722 59301 12398 67782 13670 10228 65077 06869
14792 80522 21113 15617 30198 59919 50145 22080 74484 67863
56695
= = 463 463 51 51 00000

M21 - Russian Air Defense Forces (Во́йска ПВО Voyska PVO)

5323 kHz, 10-06, 1753 UTC =992052??8?????

Strange messages in the first four days of June. Logs and comments by BR.

1 June

6961 kHz, 1515 UTC VVV VVV
 AA Extinction surpuissant doucheur =
 BB Plaine verdure lac determination =
 CC Tranche bonbons soda = DD Determination double unique extreme =
 AR AR

6961 kHz, 1538, 1548, 1553, 1555, 1605, 1607 UTC VVV Message test auto = AR AR

6961 kHz, 1615 UTC VVV = Message numero deux = AR AR

6961 kHz, 1620 UTC VVV VVV VVV VVV =
 AA Avion lutin armoire a6 . r =
 BB Retour bateau bois terre f.vu =
 CC Argumene folie Vitesse embrayage =
 DD Domino exnihilo terminus =
 AR AR
 [Text contains errors.Copy was fair but with strong OTHR over the top that ceased shortly afterwards]

6961 kHz, 1630 UTC VVV = Message numero deux = AR AR

6961 kHz, 1648 UTC VVV VVV VVV VVV =
 AA Extinction surpuissant doucheur
 D [Ended suddenly]
 VVV VVV VVV VVV =
 AA Extinction surpuissant doucheur =
 BB Plaine verdure lac determination =
 CC Tranche bonbons soda=
 DD Determination double unique extreme =
 AR AR

6961 kHz, 1656 UTC VVV = Message numero deux = AR AR

Several successive beeps sent at 1700z on both frequencies signifying end of games for the day? No more transmissions were heard but beeps continue hourly.

Interesting to note that the text uses no accented letters, as seen with some of the other French transmissions

2 June

M23 – No messages today. Beeps present hourly on 6961 kHz & 7442 kHz heard from 0700z – 2100z, so likely continuing 24 hours.

3 June

6961 kHz, 1420 UTC VVV VVV VVV VVV =
 AA Avion lutin armoire acier mature =
 BB Retour bateau bois terre feu eau =
 CC Ener [Ended suddenly]

Beeps present hourly on 6961 kHz & 7442 kHz.

There was a much weaker station on 6961 kHz from 1722z for a while sending:- “CQ TEST CQ TEST DE ICOM ICOM TEST” (R) for about 10 minutes or so.

4 June

Varied activity this afternoon -again on 6961 kHz. No transmissions on 7442 kHz although beeps remain active.

First, there was a repeat of the “CQ Test DE ICOM”. I am not sure about this one. I suspected this-05-2025 have been an individual with a Tx trying to get a response from M23 as we’ve seen in the past with other stations, but now I’m really not sure, it could be from M23.

This was followed by repeats of the previous messages sent on 01 June, some random mixed groups & some live, hand sent Op. chat & calls. So quite a mix. Signal was quite weak by this time with heavy static present on the frequency, so some of the copy is not 100%.

6961 kHz, 1518 UTC CQ TEST CQ TEST DE ICOM ICOM TEST (R) [Approx. 3 mins Weaker stn.]

6961 kHz, 1747 UTC VVV VVV VVV VVV =
 AA Extinction surpuissant doucheur =
 BB Plaine verdure lac determination =
 CC Tranche bonbons soda=
 DD Determination double unique extreme =
 AR AR

6961 kHz, 1757 UTC Y4GT5 FDPD QKGS5 L2RB1 etc. Random groups containing letters & Numbers. Followed by
 RP DE VM RP DE VM RP DE VM RP RP RP ? RP DE VM K
 VVV X
 AA Sulbasaur I.Y Auua V Asaur charmarder charmarder squirt le war m.rtr blast = [Very poor copy]

6961 kHz, 1803 UTC VVV VVV VVV VVV =
 AA Avion lutin armoire acier mature =
 BB Retour bateau bois terre feu eau =
 CC En [Ended suddenly]
 CQ CQ CQ DE RP K RP DE VM QRK RR QRU? [Op. chat. Partial copy only, poor copy]

5 June

6937 kHz, 1522 UTC i.p. 15081769 (R)
 6937 kHz, 1600 UTC 15081769 (R)
 6937 kHz, 1700 UTC Series of slow Morse sequences consisting of 1, 2, 3, 4, 5 or 6 figures and a X
 1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160
 360 72 18 9 35 3 8 12 24 48 966 2 3 5 8 13 20 347 3 5 9 17 33
 65 1308 1000 1012 1026 1036 1048 11009 12 14 16 116 132
 16410 5 10 20 25 35 40 4511 1 4 12 48 240 144012 0200 0140
 0130 0100 0040 002013 48 52 66 75 84 9314 694 583 473 363
 253 14315 46 43 40 36 31 2516 102 213 328 435 546 65717
 0940 1005 1030 1055 1120 115518 10 60 120 180 240 36019
 24 12 35 510 48 71420 976 864 753 742 531 4201 4 7 10 13 16
 20 19 2 6 8 10 13 17 22 7 3 24 21 18 14 12 9 15 4 2 160 360 72
 18 9 3 6 5 4 3 25 3 8 12 24 48 96 6 X 26 2 3 5 8 13 20 34 1 4 7
 10 13 16 202 6 8 10 13 17 223 24 21 18 14 12 94 2 160 360 72
 18 9 35 3 8 12 24 48 96 966 2 3 58 1320 347 3 5 9 17 33 65 1308
 1000 1012 1026 1036 1048 11009 12 11 4 7 10 13 16 202 6 8 10
 13 17 223 24 21 18 1 4 7 1 0 13 1 4 1 Long Dash

7 June

6937 kHz, 1400, 1500, 1600 UTC 15081769 (R)
 6937 kHz, 1700 UTC 1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc
 4951 kHz, 1800, 1900 UTC 55550 05550 05500 55005 50505 (R)
 4951 kHz, 2000, 2100 UTC 15081769 (R)
 4951 kHz, 2145 UTC LO48636017 LA1511114 (R)

8-15 June

6937 kHz, 1400, 1500, 1600 UTC 15081769 (R)
 6937 kHz, 1700 UTC 1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc
 4951 kHz, 1800, 1900 UTC 55550 05550 05500 55005 50505 (R)
 4951 kHz, 2000, 2100 UTC 15081769 (R)
 4951 kHz, 2145 UTC LO48636017 LA1511114 (R)

15 June: additional schedules

9886 kHz, 0700.0900, 1100 UTC Active
 9886 kHz, 0800, 1000, 1200 UTC Active
 9886 kHz, 1310 UTC i.p. 50505 55550 05550 05500 55005 (R) 15081769 (R)

16-17 June

9886 kHz, 0700.0900, 1100 UTC 1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.
 9886 kHz, 0800, 1000, 1200 UTC 50505 55550 05550 05500 55005 (R)
 9886 kHz, 1300 UTC 15081769 (R)
 6937 kHz, 1400, 1500, 1600 UTC 15081769 (R)
 6937 kHz, 1700 UTC 1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc
 4951 kHz, 1800, 1900 UTC 55550 05550 05500 55005 50505 (R)
 4951 kHz, 2000, 2100 UTC 15081769 (R)
 4951 kHz, 2145 UTC LO48636017 LA1511114 (R)

18 June

9886 kHz, 0700, 0900, 1100 UTC 1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.
9886 kHz, 0800, 1000, 1200 UTC 50505 55550 05550 05500 55005 (R)
9886 kHz, 1300 UTC 15081769 (R)
No transmissions found on 6973 and 4951 kHz

19-25 June

Hourly beeps on 9886 kHz. No other activity was reported
The last beep was heard on 25-06, 0800 UTC

25-30 June

10755 kHz, 25-06, 1500 UTC LO48636017 LA1511114 (R)

M89 - Chinese Military

4357 kHz, 01-06, 1211 UTC

V 3JWV (x3) DE QSVP (x2) NR 2177/MZ 2010 RMKS 9686 TO 9962 =

Note by JPL: First I see /MZ after the message number. As well, this short message was sent using full numbers, vice cut numbers

5558 kHz, 10-06, 1631 UTC, CW, i.p. Logged by JPL

VVV DS7K DE SI3N K
R QSA 2 IEC = J4FJ AR K
AS K
VVV 5KJD DE SI3N K
R QSA 2 IEC = YD1M AR K
AS K
VVV CD4D DE SI3N
R QSA 2 ICE = ... AR
AS K
VVV DHJY DE SI3N K
R QSA 2 ICE = ... (Another station ... FI3D ... causing QRM)
AS K
VVV CK52 DE SI3N K
R QSA 2 ICE = VR7K AR K
AS
VVV QLFD DE SI3N K
R QSA 2 IEC = ALLQ AR
AS
HR E GA NR 1184/EX 0040 = F6HJ/R. AR

See also the Logs column.

MC03 - Chinese Air Defense

5099.5 kHz, 10-06, 1800 UTC, CW, i.p.

916 235459 9277 845 57 etc.

18521 kHz, 20-06, 1252 UTC, CW, i.p.

4FGs cut #s (0, 1, 2, 8, 9), then tracking reports. Sample msg "9632 4793445934605259 0570 4427823643218..." I don't believe I've ever seen them on this high of a frequency. Location is likely western China due to time of day.

Not monitored on 1,2,3 June

4735 kHz, 04-06, 0700 UTC

VVV VVV PROMRCh = 04 06 =
 1000 0790 0820 0930 1430
 1200 0870 0900 1010 1510
 1400 0890 0920 1030 1490
 1600 0850 0880 0990 1380
 1800 0800 0840 0950 1310
 2000 0850 0880 0980 1320
 2200 0770 0800 0880 1180
 0000 0690 0710 0770 1010
 0200 0640 0660 0720 0930
 0400 0530 0550 0610 0800
 0600 0600 0630 0720 1000
 0800 0740 0770 0890 1270
 = ABV
 VVV VVV PROMRCh = 04 06 =
 1000 0790 0820 0930 1430
 1200 0870 0900 1010 1510
 1400 0890 0920 1030 1490
 1600 0850 0880 0990 1380
 1800 0800 0840 0950 1310
 2000 0850 0880 0980 1320
 2200 0770 0800 0880 1180
 0000 0690 0710 0770 1010
 0200 0640 0660 0720 0930
 0400 0530 0550 0610 0800
 0600 0600 0630 0720 1000
 0800 0740 0770 0890 1270
 = AR

4735 kHz, 05-06, 0700 UTC

VVV VVV PROMRCh = 05 06 =
 1000 0780 0810 0920 1430
 1200 0860 0890 1000 1510
 1400 0880 0910 1020 1490
 1600 0840 0880 0990 1380
 1800 0800 0830 0950 1310
 2000 0840 0870 0970 1320
 2200 0760 0790 0870 1170
 0000 0680 0690 0760 1000
 0200 0630 0650 0710 0910
 0400 0530 0540 0600 0800
 0600 0670 0620 0710 0990
 0800 0730 0760 0880 1270
 - ABV
 VVV VVV PROMRCh = 05 06 =
 1000 0780 0810 0920 1430
 1200 0860 0890 1000 1510
 1400 0880 0910 1020 1490
 1600 0840 0880 0990 1380
 1800 0800 0830 0950 1310
 2000 0840 0870 0970 1320
 2200 0760 0790 0870 1170
 0000 0680 0690 0760 1000
 0200 0630 0650 0710 0910
 0400 0530 0540 0600 0800
 0600 0670 0620 0710 0990
 0800 0730 0760 0880 1270
 = AR

4735 kHz, 06-06, 0700 UTC

VVV VVV PROMRCh = 06 06 =
 1000 0780 0810 0920 1430
 1200 0860 0890 0990 1500
 1400 0880 0900 1020 1490
 1600 0840 0870 0990 1380
 1800 0800 0830 0940 1300
 2000 0840 0870 0970 1310
 2200 0760 0780 0870 1160
 0000 0670 0690 0760 1000
 0200 0620 0560 0690 0910
 0400 0520 0540 0600 0790
 0600 0590 0620 0710 0990
 0800 0730 0760 0880 1270
 = ABV
 VVV VVV PROMRCh = 06 06 =
 1000 0780 0810 0920 1430
 1200 0860 0890 0990 1500
 1400 0880 0900 1020 1490
 1600 0840 0870 0990 1380
 1800 0800 0830 0940 1300
 2000 0840 0870 0970 1310
 2200 0760 0780 0870 1160
 0000 0670 0690 0760 1000
 0200 0620 0560 0690 0910
 0400 0520 0540 0600 0790
 0600 0590 0620 0710 0990
 0800 0730 0760 0880 1270
 = AR

4735 kHz, 07-06, 0700 UTC

VVV VVV PROMRCh = 07 06 =
 1000 0770 0800 0910 1430
 1200 0850 0870 0980 1500
 1400 0860 0890 1000 1480
 1600 0830 0860 0980 1370
 1800 0790 0820 0930 1290
 2000 0830 0860 0960 1300
 2200 0760 0780 0870 1160
 0000 0670 0690 0760 1000
 0200 0620 0640 0690 0910
 0400 0530 0540 0600 0790
 0600 0600 0620 0710 0980
 0800 0730 0760 0880 1270
 = ABV =
 VVV VVV PROMRCh = 07 06 =
 1000 0770 0800 0910 1430
 1200 0850 0870 0980 1500
 1400 0860 0890 1000 1480
 1600 0830 0860 0980 1370
 1800 0790 0820 0930 1290
 2000 0830 0860 0960 1300
 2200 0760 0780 0870 1160
 0000 0670 0690 0760 1000
 0200 0620 0640 0690 0910
 0400 0530 0540 0600 0790
 0600 0600 0620 0710 0980
 0800 0730 0760 0880 1270
 - AR

4735 kHz, 08-06, 0700 UTC

VVV VVV PROMRCh = 08 06 =
 1000 0770 0800 0910 1430
 1200 0840 0870 0980 1500
 1400 0850 0880 0990 1480
 1600 0820 0850 0960 1370
 1800 0790 0820 0930 1290
 2000 0820 0850 0960 1290
 2200 0760 0780 0870 1160
 0000 0680 0700 0770 1000
 0200 0620 0640 0700 0910
 4000 0530 0550 0600 0800
 0600 0600 0620 0710 0990
 0800 0720 0760 0870 1270
 = ABV
 VVV VVV PROMRCh = 08 06 =
 1000 0770 0800 0910 1430
 1200 0840 0870 0980 1500
 1400 0850 0880 0990 1480
 1600 0820 0850 0960 1370
 1800 0790 0820 0930 1290
 2000 0820 0850 0960 1290
 2200 0760 0780 0870 1160
 0000 0680 0700 0770 1000
 0200 0620 0640 0700 0910
 4000 0530 0550 0600 0800
 0600 0600 0620 0710 0990
 0800 0720 0760 0870 1270
 = AR

4735 kHz, 09-06, 0700 UTC

VVV VVV PROMRCh = 09 06 =
 1000 0770 0800 0910 1420
 1200 0850 0870 0980 1500
 1400 0860 0890 1000 1480
 1600 0820 0860 0970 1370
 1800 0780 0810 0930 1280
 2000 0820 0850 0950 1280
 2200 0760 0780 0870 1160
 0000 0680 0700 0770 1010
 0200 0620 0640 0700 0910
 0400 0530 0550 0610 0800
 0600 0600 0620 0710 0990
 0800 0720 0760 0870 1260
 = ABV
 VVV VVV PROMRCh = 09 06 =
 1000 0770 0800 0910 1420
 1200 0850 0870 0980 1500
 1400 0860 0890 1000 1480
 1600 0820 0860 0970 1370
 1800 0780 0810 0930 1280
 2000 0820 0850 0950 1280
 2200 0760 0780 0870 1160
 0000 0680 0700 0770 1010
 0200 0620 0640 0700 0910
 0400 0530 0550 0610 0800
 0600 0600 0620 0710 0990
 0800 0720 0760 0870 1260
 = AR

4735 kHz, 10-06, 0700 UTC

VVV VVV PROMRCh = 10 06 =
 1000 0760 0790 0900 1420
 1200 0830 0860 0970 1490
 1400 0850 0880 0980 1480
 1600 0820 0850 0960 1360
 1800 0780 0810 0920 1270
 2000 0820 0850 0950 1280
 2200 0760 0790 0880 1170
 0000 0680 0700 0770 1010
 0200 0630 0640 0710 0920
 0400 0530 0550 0610 0800
 0600 0590 0620 0710 0980
 0800 0720 0750 0860 1260
 = ABV
 VVV VVV PROMRCh = 10 06 =
 1000 0760 0790 0900 1420
 1200 0830 0860 0970 1490
 1400 0850 0880 0980 1480
 1600 0820 0850 0960 1360
 1800 0780 0810 0920 1270
 2000 0820 0850 0950 1280
 2200 0760 0790 0880 1170
 0000 0680 0700 0770 1010
 0200 0630 0640 0710 0920
 0400 0530 0550 0610 0800
 0600 0590 0620 0710 0980
 0800 0720 0750 0860 1260
 = AR

4735 kHz, 11-06, 0700 UTC

VVV VVV PROMRCh = 11 06 =
 1000 0760 0790 0900 1420
 1200 0820 0850 0960 1490
 1400 0830 0860 0970 1480
 1600 0810 0840 0950 1370
 1800 0770 0800 0910 1260
 2000 0810 0840 0940 1270
 2200 0760 0790 0880 1160
 0000 0680 0700 0770 1010
 0200 0630 0640 0710 0920
 0400 0530 0550 0610 0810
 0600 0590 0620 0700 0980
 0800 0710 0740 0850 1260
 = ABV

VVV VVV PROMRCh = 11 06 =
 1000 0760 0790 0900 1420
 1200 0820 0850 0960 1490
 1400 0830 0860 0970 1480
 1600 0810 0840 0950 1370
 1800 0770 0800 0910 1260
 2000 0810 0840 0940 1270
 2200 0760 0790 0880 1160
 0000 0680 0700 0770 1010
 0200 0630 0640 0710 0920
 0400 0530 0550 0610 0810
 0600 0590 0620 0700 0980
 0800 0710 0740 0850 1260
 = AR

4735 kHz, 12-06, 0700 UTC

VVV VVV PROMRCh = 12 06 =
 1000 0750 0780 0890 1420
 1200 0820 0840 0950 1480
 1400 0830 0860 0960 1470
 1600 0800 0830 0940 1360
 1800 0760 0790 0900 1250
 2000 0810 0830 0940 1260
 2200 0760 0790 0870 1160
 0000 0690 0700 0770 1020
 0200 0630 0640 0710 0920
 0400 0530 0550 0610 0810
 0600 0590 0610 0700 0970
 0800 0700 0740 0850 1260
 = ABV

VVV VVV PROMRCh = 12 06 =
 1000 0750 0780 0890 1420
 1200 0820 0840 0950 1480
 1400 0830 0860 0960 1470
 1600 0800 0830 0940 1360
 1800 0760 0790 0900 1250
 2000 0810 0830 0940 1260
 2200 0760 0790 0870 1160
 0000 0690 0700 0770 1020
 0200 0630 0640 0710 0920
 0400 0530 0550 0610 0810
 0600 0590 0610 0700 0970
 0800 0700 0740 0850 1260
 = AR

4735 kHz, 13-06, 0701 UTC

VVV VVV PROMRCh = 13 09
 EEEEEEE = VVV VVV PROMRCh
 = 13 06 =
 1000 0750 0770 0880 1400
 1200 0810 0830 0940 1450
 1400 0820 0850 0960 1450
 1600 0790 0830 0930 1350
 1800 0750 0780 0890 1230
 2000 0800 0830 0920 1250
 2200 0760 0780 0870 1160
 0000 0680 0700 0770 1010
 0200 0620 0640 0700 0920
 0400 0530 0550 0610 0810
 0600 0590 0610 0700 0970
 0800 0690 0720 0840 1240
 = ABV =

VVV VVV PROMRCh = 13 06 =
 1000 0750 0770 0880 1400
 1200 0810 0830 0940 1450
 1400 0820 0850 0960 1450
 1600 0790 0830 0930 1350
 1800 0750 0780 0890 1230
 2000 0800 0830 0920 1250
 2200 0760 0780 0870 1160
 0000 0680 0700 0770 1010
 0200 0620 0640 0700 0920
 0400 0530 0550 0610 0810
 0600 0590 0610 0700 0970
 0800 0690 0720 0840 1240
 = AR

4735 kHz, 14-06, 0700 UTC

VVV VVV PROMRCh = 14 06 =
 1000 0740 0770 0880 1390
 1200 0800 0830 0930 1460
 1400 0810 0840 0950 1440
 1600 0780 0810 0920 1340
 1800 0740 0770 0880 1210
 2000 0790 0820 0910 1230
 2200 0760 0780 0870 1160
 0000 0680 0700 0770 1010
 0200 0620 0640 0700 0920
 0400 0530 0550 0610 0810
 0600 0580 0610 0700 0960
 0800 0680 0710 0830 1240
 = ABV

VVV VVV PROMRCh = 14 06 =
 1000 0740 0770 0880 1390
 1200 0800 0830 0930 1460
 1400 0810 0840 0950 1440
 1600 0780 0810 0920 1340
 1800 0740 0770 0880 1210
 2000 0790 0820 0910 1230
 2200 0760 0780 0870 1160
 0000 0680 0700 0770 1010
 0200 0620 0640 0700 0920
 0400 0530 0550 0610 0810
 0600 0580 0610 0700 0960
 0800 0680 0710 0830 1240
 = AR

4735 kHz, 15-06, 0700 UTC

VVV VVV PROMRCh = 15 06 =
 1000 0730 0760 0870 1390
 1200 0790 0820 0920 1450
 1400 0800 0830 0940 1440
 1600 0770 0800 0910 1340
 1800 0730 0760 0870 1200
 2000 0780 0800 0900 1220
 2200 0750 0770 0860 1150
 0000 0670 0690 0760 1000
 0200 0620 0630 0690 0910
 0400 0520 0540 0600 0800
 0600 0570 0600 0680 0950
 0800 0670 0700 0810 1240
 = ABV

VVV VVV PROMRCh = 15 06 =
 1000 0730 0760 0870 1390
 1200 0790 0820 0920 1450
 1400 0800 0830 0940 1440
 1600 0770 0800 0910 1340
 1800 0730 0760 0870 1200
 2000 0780 0800 0900 1220
 2200 0750 0770 0860 1150
 0000 0670 0690 0760 1000
 0200 0620 0630 0690 0910
 0400 0520 0540 0600 0800
 0600 0570 0600 0680 0950
 0800 0670 0700 0810 1240
 = AR

4735 kHz, 16-06, 0700 UTC

VVV VVV PROMRCh = 16 06 =
 1000 0710 0750 0860 1390
 1200 0770 0790 0990 1450
 *400 0790 0820 0920 1440
 1600 0760 0790 0900 1340
 1800 0720 0750 0850 1180
 2000 0760 0790 0890 1200
 2200 0740 0770 0850 1140
 0000 0670 0680 0760 1000
 0200 0600 0620 0680 0900
 0400 0510 0530 0590 0790
 0600 0560 0590 0670 0940
 0800 0650 0690 0800 1240
 = ABV

VVV VVV PROMRCh = 16 06 =
 1000 0710 0750 0860 1390
 1200 0770 0790 0990 1450
 *400 0790 0820 0920 1440
 1600 0760 0790 0900 1340
 1800 0720 0750 0850 1180
 2000 0760 0790 0890 1200
 2200 0740 0770 0850 1140
 0000 0670 0680 0760 1000
 0200 0600 0620 0680 0900
 0400 0510 0530 0590 0790
 0600 0560 0590 0670 0940
 0800 0650 0690 0800 1240
 = AR

4735 kHz, 17-06, 0700 UTC

VVV VVV PROMRCh = 17 06 =
 1000 0700 0730 0850 1390
 1200 0760 0790 0900 1450
 1400 0780 0810 0910 1440
 1600 0750 0780 0890 1340
 1800 0710 0740 0840 1170
 ?000 0760 0780 0880 1190
 2200 0740 0760 0850 1140
 0000 0670 0680 0760 1000
 0200 0600 0610 0680 0890
 0400 0510 0530 0590 0790
 0600 0550 0580 0670 0930
 0800 0650 0680 0780 1240
 = ABV

VVV VVV PROMRCh = 17 06 =
 1000 0700 0730 0850 1390
 1200 0760 0790 0900 1450
 1400 0780 0810 0910 1440
 1600 0750 0780 0890 1340
 1800 0710 0740 0840 1170
 ?000 0760 0780 0880 1190
 2200 0740 0760 0850 1140
 0000 0670 0680 0760 1000
 0200 0600 0610 0680 0890
 0400 0510 0530 0590 0790
 0600 0550 0580 0670 0930
 0800 0650 0680 0780 1240
 = AR

4735 kHz, 18-06, 0700 UTC

VVV VVV PROMRCh = 18 06 =
 1000 0710 0740 0850 1390
 1200 0760 0790 0890 1450
 1400 0770 0800 0910 1440
 1600 0750 0770 0880 1340
 1800 0710 0740 0840 1170
 2000 0760 0780 0880 1190
 2200 0730 0760 0850 1130
 0000 0660 0680 0750 1000
 0200 0600 0610 0680 0890
 0400 0510 0530 0590 0790
 0600 0560 0580 0670 0930
 0800 0650 0680 0790 1230
 = ABV

VVV VVV PROMRCh = 18 06 =
 1000 0710 0740 0850 1390
 1200 0760 0790 0890 1450
 1400 0770 0800 0910 1440
 1600 0750 0770 0880 1340
 1800 0710 0740 0840 1170
 2000 0760 0780 0880 1190
 2200 0730 0760 0850 1130
 0000 0660 0680 0750 1000
 0200 0600 0610 0680 0890
 0400 0510 0530 0590 0790
 0600 0560 0580 0670 0930
 0800 0650 0680 0790 1230
 = AR

4735 kHz, 19-06, 0700 UTC

VVV VVV PROMRCh = 19 06 =
 1000 0710 0740 0850 1390
 1200 0760 0780 0890 1440
 1400 0770 0790 0900 1430
 1600 0740 0770 0880 1330
 1800 0710 0740 0840 1160
 2000 0750 0780 0870 1180
 2200 0730 0750 0840 1130
 0000 0660 0670 0750 0990
 0200 0590 0610 0670 0890
 0400 0510 0530 0590 0790
 0600 0560 0580 0670 0930
 0800 0660 0690 0790 1230
 = ABV
 VVV VVV PROMRCh = 19 06 =
 1000 0710 0740 0850 1390
 1200 0760 0780 0890 1440
 1400 0770 0790 0900 1430
 1600 0740 0770 0880 1330
 1800 0710 0740 0840 1160
 2000 0750 0780 0870 1180
 2200 0730 0750 0840 1130
 0000 0660 0670 0750 0990
 0200 0590 0610 0670 0890
 0400 0510 0530 0590 0790
 0600 0560 0580 0670 0930
 0800 0660 0690 0790 1230
 = AR

4735 kHz, 23-06, 0700 UTC

VVV VVV PROMRCh = 23 06 =
 1000 0720 0750 0860 1380
 1200 0750 0770 0880 1440
 1400 0750 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0840 1170
 2000 0760 0790 0880 1190
 2200 0750 0780 0860 1150
 0000 0670 0690 0770 1010
 0200 0600 0620 0680 0900
 0400 0520 0550 0610 0810
 0600 0580 0600 0680 0950
 0800 0670 0700 0810 1220
 = ABV
 VVV VVV PROMRCh = 23 06 =
 1000 0720 0750 0860 1380
 1200 0750 0770 0880 1440
 1400 0750 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0840 1170
 2000 0760 0790 0880 1190
 2200 0750 0780 0860 1150
 0000 0670 0690 0770 1010
 0200 0600 0620 0680 0900
 0400 0520 0550 0610 0810
 0600 0580 0600 0680 0950
 0800 0670 0700 0810 1220
 = AR

4735 kHz, 20-06, 0700 UTC

VVV VVV PROMRCh = 20 06 =
 1000 0710 0750 0850 1390
 1200 0760 0780 0890 1440
 1400 0770 0800 0900 1430
 1600 0740 0770 0880 1330
 1800 0700 0730 0840 1160
 2000 0750 0770 0870 1170
 2200 0730 0760 0840 1130
 0000 0660 0680 0750 0990
 0200 0590 0610 0670 0880
 0400 0520 0530 0600 0800
 0600 0570 0590 0670 0940
 0800 0660 0690 0800 1230
 = ABV
 VVV VVV PROMRCh = 20 06 =
 1000 0710 0750 0850 1390
 1200 0760 0780 0890 1440
 1400 0770 0800 0900 1430
 1600 0740 0770 0880 1330
 1800 0700 0730 0840 1160
 2000 0750 0770 0870 1170
 2200 0730 0760 0840 1130
 0000 0660 0680 0750 0990
 0200 0590 0610 0670 0880
 0400 0520 0530 0600 0800
 0600 0570 0590 0670 0940
 0800 0660 0690 0800 1230
 = AR

4735 kHz, 24-06, 0700 UTC

VVV VVV PROMRCh = 24 06 =
 1000 0740 0760 0870 1380
 1200 0750 0780 0890 1440
 1400 0750 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0850 1170
 2000 0770 0700 0890 1200
 2200 0760 0790 0870 1160
 0000 0680 0700 0770 1020
 0200 0610 0630 0690 0920
 0400 0540 0550 0620 0820
 0600 0580 0610 0690 0950
 0800 0680 0710 0820 1230
 = ABV
 VVV VVV PROMRCh = 24 06 =
 1000 0740 0760 0870 1380
 1200 0750 0780 0890 1440
 1400 0750 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0850 1170
 2000 0770 0700 0890 1200
 2200 0760 0790 0870 1160
 0000 0680 0700 0770 1020
 0200 0610 0630 0690 0920
 0400 0540 0550 0620 0820
 0600 0580 0610 0690 0950
 0800 0680 0710 0820 1230
 = AR

4735 kHz, 21-06, 0700 UTC

Last group is missing. Message was not repeated.

VVV VVV PROMRCh = 21 06 =
 1000 0720 0740 0850 1390
 1200 0750 0780 0890 1440
 1400 0770 0790 0900 1420
 1600 0740 0770 0880 1330
 1800 0700 0730 0840 1160
 2000 0750 0770 0870 1170
 2200 0740 0760 0850 1130
 0000 0600 0680 0750 1000
 0200 0590 0610 0670 0890
 0400 0520 0600 0800 0600
 0570 0590 0680 0940 0800
 0660 0690 0800 1230
 = ABV

4735 kHz, 25-06, 0700 UTC

VVV VVV PROMRCh = 25 06 =
 1000 0720 0750 0860 1380
 1200 0750 0780 0890 1440
 1400 0750 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0840 1160
 2000 0770 0800 0890 1200
 2200 0760 0790 0870 1170
 0000 0690 0710 0790 1030
 0200 0620 0640 0700 0920
 0400 0540 0560 0620 0830
 0600 0590 0610 0690 0950
 0800 0680 0710 0820 1230
 = ABV
 VVV VVV PROMRCh = 25 06 =
 1000 0720 0750 0860 1380
 1200 0750 0780 0890 1440
 1400 0750 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0840 1160
 2000 0770 0800 0890 1200
 2200 0760 0790 0870 1170
 0000 0690 0710 0790 1030
 0200 0620 0640 0700 0920
 0400 0540 0560 0620 0830
 0600 0590 0610 0690 0950
 0800 0680 0710 0820 1230
 = AR

4735 kHz, 22-06, 0700 UTC

VVV VVV PROMRCh = 22 06 =
 1000 0710 0740 0850 1390
 1200 0750 0780 0880 1440
 1400 0760 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0840 1170
 2000 0750 0780 0870 1180
 2200 0740 0770 0850 1140
 0000 0660 0680 0760 1000
 0200 0600 0620 0680 0890
 0400 0530 0540 0610 0810
 0600 0570 0600 0680 0940
 0800 0660 0690 0800 1220
 = ABV
 VVV VVV PROMRCh = 22 06 =
 1000 0710 0740 0850 1390
 1200 0750 0780 0880 1440
 1400 0760 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0840 1170
 2000 0750 0780 0870 1180
 2200 0740 0770 0850 1140
 0000 0660 0680 0760 1000
 0200 0600 0620 0680 0890
 0400 0530 0540 0610 0810
 0600 0570 0600 0680 0940
 0800 0660 0690 0800 1220
 = AR

4735 kHz, 26-06, 0700 UTC

VVV VVV PROMRCh = 26 06 =
 1000 0730 0760 0870 1380
 1200 0760 0790 0890 1440
 1400 0760 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0840 1170
 2000 0780 0800 0900 1210
 2200 0770 0690 0880 1170
 0000 0700 0720 0790 1040
 0200 0630 0640 0710 0930
 0400 0550 0570 0620 0830
 0600 0590 0610 0690 0960
 0800 0690 0720 0820 1230
 = ABV
 VVV VVV PROMRCh = 26 06 =
 1000 0730 0760 0870 1380
 1200 0760 0790 0890 1440
 1400 0760 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0740 0840 1170
 2000 0780 0800 0900 1210
 2200 0770 0690 0880 1170
 0000 0700 0720 0790 1040
 0200 0630 0640 0710 0930
 0400 0550 0570 0620 0830
 0600 0590 0610 0690 0960
 0800 0690 0720 0820 1230
 = AR

4735 kHz, 27-06, 0700 UTC

VVV VVV PROMRCh = 27 06 =
 1000 0730 0760 0870 1390
 1200 0750 0780 0890 1440
 1400 0750 0780 0890 1420
 1600 0740 0760 0870 1330
 1800 0710 0740 0840 1170
 2000 0770 0800 0890 1200
 2200 0770 0790 0880 1170
 0000 0700 0720 0800 1050
 0200 0630 0650 0710 0930
 0400 0550 0560 0630 0630
 0600 0580 0610 0690 0950
 0800 0680 0710 0820 1230
 = ABV
 VVV VVV PROMRCh = 27 06 =
 1000 0730 0760 0870 1390
 1200 0750 0780 0890 1440
 1400 0750 0780 0890 1420
 1600 0740 0760 0870 1330
 1800 0710 0740 0840 1170
 2000 0770 0800 0890 1200
 2200 0770 0790 0880 1170
 0000 0700 0720 0800 1050
 0200 0630 0650 0710 0930
 0400 0550 0560 0630 0630
 0600 0580 0610 0690 0950
 0800 0680 0710 0820 1230
 = AR

4735 kHz, 28-06, 0700 UTC

VVV VVV PROMRCh = 28 06 =
 1000 0720 0740 0850 1390
 1200 0740 0770 0870 1440
 1400 0740 0760 0870 1420
 1600 0730 0760 0860 1330
 1800 0710 0740 0850 1170
 2000 0770 0800 0890 1200
 2200 0760 0790 0880 1170
 0000 0700 0720 0790 1040
 0200 0630 0650 0710 0930
 0400 0550 0560 0630 0830
 0600 0580 0600 0690 0950
 0800 0670 0700 0810 1230
 = ABV
 VVV VVV PROMRCh = 28 06 =
 1000 0720 0740 0850 1390
 1200 0740 0770 0870 1440
 1400 0740 0760 0870 1420
 1600 0730 0760 0860 1330
 1800 0710 0740 0850 1170
 2000 0770 0800 0890 1200
 2200 0760 0790 0880 1170
 0000 0700 0720 0790 1040
 0200 0630 0650 0710 0930
 0400 0550 0560 0630 0830
 0600 0580 0600 0690 0950
 0800 0670 0700 0810 1230
 = AR

4735 kHz, 29-06, 0700 UTC

VVV VVV PROMRCh = 29 06 =
 1000 0710 0740 0850 1390
 1200 0740 0770 0880 1440
 1400 0740 0770 0880 1420
 1600 0720 0760 0870 1330
 1800 0710 0740 0840 1160
 2000 0760 0790 0890 1190
 2200 0760 0780 0870 1160
 0000 0690 0710 0790 1030
 0200 0620 0640 0700 0920
 0400 0540 0560 0620 0830
 0600 0580 0600 0690 0950
 0800 0670 0700 0800 1230
 = ABV
 VVV VVV PROMRCh = 29 06 =
 1000 0710 0740 0850 1390
 1200 0740 0770 0880 1440
 1400 0740 0770 0880 1420
 1600 0720 0760 0870 1330
 1800 0710 0740 0840 1160
 2000 0760 0790 0890 1190
 2200 0760 0780 0870 1160
 0000 0690 0710 0790 1030
 0200 0620 0640 0700 0920
 0400 0540 0560 0620 0830
 0600 0580 0600 0690 0950
 0800 0670 0700 0800 1230
 = AR

4735 kHz, 30-06, 0700 UTC

VVV VVV PROMRCh = 30 06 =
 1000 0710 0740 0850 1390
 1200 0740 0770 0880 1440
 1400 0750 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0730 0840 1160
 2000 0760 0790 0880 1190
 2200 0760 0780 0870 1160
 0000 0690 0710 0780 1030
 0200 0610 0630 0690 0920
 0400 0540 0560 0620 0820
 0600 0570 0600 0680 0940
 0800 0660 0690 0800 1230
 - ABV
 VVV VVV PROMRCh = 30 06 =
 1000 0710 0740 0850 1390
 1200 0740 0770 0880 1440
 1400 0750 0780 0890 1420
 1600 0730 0760 0870 1330
 1800 0710 0730 0840 1160
 2000 0760 0790 0880 1190
 2200 0760 0780 0870 1160
 0000 0690 0710 0780 1030
 0200 0610 0630 0690 0920
 0400 0540 0560 0620 0820
 0600 0570 0600 0680 0940
 0800 0660 0690 0800 1230
 = AR

DIGITAL MODES**F01**

F01 – FSK 200/500 Mon-Fri schedule

11414/9317/7572 kHz, 27-05, 1015/1025/1035 UTC

15348 48762 24829 72809 89357 72343 98576 61671 38883 68989
 41632 49824 12664 46235 85890 42806 43739 71018 49705 25721
 99300 62665 21574 75410 10320 84801 38455 45783 66907 65883
 07147 68457 90324 03018 42171 35943 17601 28783 18600 59514
 59678 45718 63262 18989 19034 42806 43739 71018 77710 56228
 51750 12026 91694 43053 00000

29247 14036 61443 63847 68059 01876 18644 85477 82368 44351
 86337 03943 91784 62335 58024 07433 15655 19533 62063 61927
 79844 00133 68690 40069 29867 18201 55738 43498 11299 63504
 56481 35826 03412 13437 38047 28451 16974 65759 83833 86381
 92140 71812 78364 46274 57388 74922 18026 63864 35411 83656
 96118 32978 06936 34637 35666 43314 68383 24586 68411 69184
 44311 16309 83440 06395 40582 48274 93881 99462 49192 02510
 95097 26351 40697 10476 12827 32912 05170 01621 64699 34223
 27639 24299 83568 25004 08927 93735 76103 66306 67844 46733
 15066 40661 85666 07804 88716 92862 78830 96415 55790 98596
 10796 30035 79475 44103 00000 +++++ +++++ +++++

11414/9317/7572 kHz, 27-05, 1015/1025/1035 UTC

04269 31367 35976 84807 83905 09092 83543 23518 12595 82039
 64833 57940 50630 32221 67608 90429 02541 21020 67512 17837
 20718 26102 06363 91707 01688 38869 82731 17639 69049 11032
 30792 29740 04713 03345 53254 01118 29908 35588 69519 76350

68859	10590	77302	36855	67885	31116	21266	35112	10265	92927
52068	58672	80022	22473	08564	09892	04331	07642	65330	12314
29212	95022	12715	79664	08229	52108	61591	08371	08847	17872
90004	79560	66169	90165	73907	81465	38715	23369	69158	88175
45933	34730	36979	55679	92153	42840	30057	21122	06638	86664
81482	16232	54442	98586	63696	30835	97762	29892	09658	87412
12456	52124							75557	08676
97260	16992	33899	05694	06071	65484	27753	77912	11896	68160
58394	64986	54382	05163	11085	90950	17365	88904	89075	52992
66434	20655	40284	73585	03399	31593	06337	64457	79825	19286
48664	75793	36857	15494	31327	29145	63482	46280	65275	57464
		21217	92067	99691					
90987	50330	97380	23519	29543	65961	52607	98952	73049	64292
93852	81160	04135	20639	83612	87186	05854	14417	14643	34206
06047	69661	06317	90052	73740	55803	02249	30099	47294	47135
						65610	46990	44802	13162
00126	29036	10494	59462	23463	18092	83538	93109	81754	99581
39863	12751	38330	15611	92310	69206	55274	91521	17178	66880
44228	08642	11700	19954	91114	46658	99685	49305	84476	44065
27485	31085	02119	50108	17470	32895	35730	66671	71229	98494
58193	03548	39655	66989	63246	95521	02113	37420	32204	54706
21874	14706	07411	56571	70018	97869	77124	83103	34972	96489
01511	71530	59873	86304	34438	42047	74973	39923	20760	02987
17228	93565	73780	56869	54291	35777	62569	55768	55095	29055
63842	79425	74186	00319	58071	34565				
					63962	10303	08455	88510	45573
91186	27709	12392	70106	74939	29163	19355	34532	00887	56787
40943	30039	67317	88811	77276	77028	50250	50325	53763	77412
08627	57986	38447	70119	05621	45318	62194	00768	00748	41994
08899				67889	21464	15905			
		70212	18498	73461					
									01966
46823	27361	58488	17287	56902	57138	64347	31744		
				00061	02964	33373	99971	06130	29831
73266	45421	00000	+++++	+++++	+++++				

11414/9317/7572 kHz, 29-05, 1015/1025/1035 UTC

04269	31367	35976	84807	83905	09092	83543	23518	12595	82039
64833	57940	50630	32221	67608	90429	02541	21020	67512	17837
20718	26102	06363	91707	50168	83886	98273	17639	69049	11032
30792	29740	04713	03345	53254	01118	29908	35588	69519	76350
68859	10590	77302	36855	67885	31116	21266	35112	10265	92927
52068	58672	80022	22473	08564	09892	04331	07642	65330	12314
29212	95022	12715	79664	08229	52108	61591	08371	08847	17872
90004	79560	66169	90165	73907	81465	38715	23369	69158	88175
45933	34730	36979	55679	92153	42840	30057	21122	06638	86664
81482	16232	54442	98586	63696	30835	97762	29892	09658	87412
12456	52124				34482	08374	54910		
						58394	64986	54382	05163
11085	90950	17365	88904	89075	52992	66434	20655		
	31593	06337	64457						
31327	29145	63482	46280	65275	57464				
								21217	92067
99691	56561	19037	60631						
						90987	50330	97380	23519
29543	65961	52607	98952	73049	64292	93852	81160	04135	20639
83612	87186	05854	14417	14643	34206	06047	69661	06317	90052
73740	55803	02249	30099	47294	47135				

		65610	46990	44802	13162	00126	29036	10494	59462
23463	18092	83538	93109	81754	99581	39863	12751	38330	15611
92310	69206	55274	91521	17178	66880	44228	08642	11700	19954
91114	46658	99685	49305	84476	44065	27485	31085	02119	50108
17470	32895	35730	66671	71229	98494	58193	03548	39655	66989
63246	95521	02113	37420	32204	54706	21874	14706	07411	56571
70018	97869	77124	83103	34972	96489	01511	71530	59873	86304
34438	42047	74973	39923	20760	02987	17228	93565	73780	56869
54291	35777	62569	55768	55095	29055	63842	79425	74186	00319
58071	34565							14895	57792
71496	63962	10303	08455	88510	45573	91186	27709	12392	70106
74939	29163	19355	34532	00887	56787	40943	30039	67317	88811
77276	77028	50250	50325	53763	77412	86275	79861		
	45318	62194	00768	00748	41994	08899	41435	92455	05573
67889	21464	15905	29108	65740	55234	25598	73077	19654	77857
17567	95001	79619	24705	70799	75616	51527	15734	12589	63781
18428	30525	37496	90638						
								01966	46823
27361	58488	17287	56902	57138	64347	31744			
00061	02964	33373	99971	06130	29831	73266	46421	00000	+++++
+++++	+++++								

11414/9317/7572 kHz, 30-05, 1015/1025/1035 UTC
00000 +++++ +++++

11487/9376/7591 kHz, 02-06, 1015/1025/1035 UTC

37885	35334	09551	92971	84073	96230	98482	33215	29932	82219
79394	30017	62145	19377	20924	92837	34442	83446	12310	95488
28939	25321	84557	50685	72664	72405	10993	81574	38944	54292
29399	01171	88338	26195	52924	35643	28814	88568	61947	52383
99844	26362	94082	78800	10130	16339	74525	22772	83601	75895
53906	30694	93432	51827	45864	44071	88712	72468	81501	40567
43491	11654	22936	70482	82868	37929	03105	24562	65829	47456
84043	94104	29494	04046	50793	09279	24495	34755	83154	66613
96143	54495	72446	81575	91088	18071	75487	27190	94153	23107
22958	44627	25033	12290	24351	36702	49540	48357	36693	80225
85097	60285	89221	18132	05146	84106	81203	17338	72172	46782
95088	03256	54038	66596	92185	06910	03292	68473	83036	85578
04161	37689	89694	02922	16907	60387	42078	79506	74228	24360
75600	49689	09409	78508	22246	85780	20879	74441	12303	75425
02905	38638	28922	63156	97067	48612	82691	92035	44238	11519
98429	06333	41719	68642	31357	01180	35262	74196	54866	30132
00624	21883	87050	06577	94367	17639	48190	59929	78587	22011
66394	32553	49249	10604	73555	28333	22828	26020	58845	48854
60937	19754	71899	78112	37628	07460	92905	01696	79062	86028
11776	71379	30227	85934	83580	51068	28388	57255	52445	05020
87974	12840	61091	14295	26574	77021	88207	32368	86727	13357
80838	15831	33210	29788	73988	91139	30498	84694	14609	43323
30082	42259	32177	37613	22352	50582	23039	09912	32698	40999
40709	87054	66557	72011	09323	22787	33061	66298	02406	60404
01985	14225	54178	57992	73692	42291	95556	37199	66751	69964
32053	41480	52909	03324	05758	14756	94124	38961	08588	36414
61339	76570	38997	73600	39666	63674	19327	36728	49702	20902
15992	49150	39633	21287	29681	66928	27831	21998	47770	09638
00626	71948	76131	88145	94942	43723	92512	40296	20485	63264
88701	10446	01164	35737	93633	33785	40443	91038	94657	11380
40305	97362	99119	86873	28518	16270	03477	60789	73883	97704
62114	03366	94168	38387	73054	51864	86394	52019	22754	03286
34184	24749	57166	38441	71837	54324	71257	38300	09842	96378
34178	78565	51488	66274	92255	13407	55297	69961	17010	84291
22923	62271	90380	14856	17240	56086	44342	77738	40291	30836
97103	44335	25786	13735	53081	53394	25839	32224	58819	59398

96629 61028 32066 46671 12683 12292 06178 20143 64441 42213
57034 08711 18833 72617 04678 42141 47514 50911 06829 87437
52469 96860 86497 55621 43667 09606 60858 14864 48457 33388
63581 70895 57386 05386 77812 00646 36131 34135 21978 50038
58231 81939 55619 31886 38311 49727 97424 84819 70477 87792
72659 48411 00000 +++++

11487/9376/7591 kHz, 03-06, 1015/1025/1035 UTC

Too weak to decode

11487/9376/7591 kHz, 04-06, 1015/1025/1035 UTC

27640 02161 02119 88789 32173 02275 58984 99819 46902 04185
61707 38594 62951 77256 00850 51549 55640 88780 41349 80828
97975 90193 47391 57398 69948 82304 02301 69246 43317 57969
15643 65630 46570 45636 34710 83290 39746 02211 02603 05572
53807 28676 30071 90398 74255 06903 73317 28034 73663 81087
34940 65105 35439 04230 30215 52004 35240 19286 85892 11107
24484 84832 63697 17567 79392 49685 25736 47797 86508 43895
83969 45084 54620 48187 00970 92088 21022 44042 34128 00632
44219 95923 40500 04712 12727 14063 84498 67671 24682 71250
15593 39469 17939 72064 08220 24983 55342 97986 81092 49289
94861 76828 38082 30847 99276 49911 97878 98534 65105 35439
04608 13470 75450 11501 36580 81552 06466 67140 55393 67667
42118 94923 62531 47483 76942 23459 55691 57790 11469 13283
01988 31310 70016 64572 70250 26910 95530 10107 89584 91170
01171 91921 26395 12240 83312 45092 97046 51904 25667 37082
58366 66824 49205 36096 43153 54864 87564 06878 32907 87460
92632 57378 84944 13965 99997 84751 56097 48884 08945 94093
90185 77991 56696 88380 61439 44194 91570 53032 91075 99152
74762 83543 79196 31536 65415 29617 19212 07889 68690 54239
86972 87028 51506 31139 21794 93919 55643 29052 41558 63947
62896 56252 59093 93554 91972 63767 92006 58150 31807 30720
83157 83246 40995 80245 73974 79759 68030 99400 97775 79396
72017 61530 85308 31092 48577 74493 99683 44405 90602 03224
42880 90835 38573 40030 01033 98981 00102 21098 20670 04485
43411 12616 33095 40698 94422 14966 69105 81013 92144 58424
31225 68789 82053 88795 15647 95808 52141 66435 01072 15214
41339 27079 46624 99850 74977 77932 66040 81956 07001 27450
70318 35140 73589 72242 96001 84578 87911 89549 61304 56379
30668 08724 17253 02031 16122 60144 86031 58902 38312 25018
03729 32701 27127 34493 09661 12854 68923 91530 49465 56722
71396 13964 84152 03618 77357 22184 22305 04527 57144 19902
17601 78500 34318 41403 98863 31649 24355 63748 24819 99656
91010 07357 80738 99784 50053 73401 59177 03271 75037 91456
91968 64089 84829 75841 25686 64986 17546 14091 57745 66739
20615 35992 75336 71585 11630 36623 64377 36733 89701 51840
80679 98920 01975 09633 00498 95942 95018 05805 92669 96089
05758 77403 79524 71427 71653 72347 78744 75872 64797 38671
43374 13980 79628 81848 42163 11402 28947 63612 47423 22934
27920 40718 22595 39101 70751 67086 26713 77220 29735 07764
77948 67861 31337 38131 43420 72670 89033 26811 47465 94466
97564 51401 00000 +++++ +++++

11487/9376/7591 kHz, 05-06, 1015/1025/1035 UTC

25767 91064 08509 07751 75343 51480 54402 62080 00102 84860
89488 79486 02381 99373 11893 12097 25324 98195 49880 38131
19465 06243 64243 17575 39895 49733 14845 68672 47430 55759
27268 44889 12212 64078 20489 17066 43202 68292 81533 90424
91977 28609 98039 11134 04290 23376 84663 42102 17815 31565
64279 12712 29526 63413 89891 72150 81138 81381 18221 01052
36058 78644 70869 61127 46268 07277 44041 87464 32596 73349
52719 53198 26799 41088 20260 61223 48898 52077 00000

43576 46080 23337 55084 75166 77338 97237 68016 33810 24744
26584 83279 87442 52854 33551 83694 84920 54649 01575 54103
63701 58708 54965 98153 27552 86473 88998 07536 86456 20558
55190 07090 75922 70021 31433 24236 97869 43558 31678 56154
50286 66529 34865 33160 37842 02789 37768 01701 80647 67220
61463 75429 63344 39942 66089 27772 91715 18109 53604 24446
49003 66244 63209 19346 69120 51053 89143 62260 68942 71639
75526 91826 06873 21067 67939 12190 59861 40210 26428 76783
36072 49864 29627 27683 65377 71899 24679 63951 34873 75672
02642 53091 00000 +++++

11487/9376/7591 kHz, 06-06, 1015/1025/1035 UTC

00000 +++++ +++++

11487/9376/7591 kHz, 09-06, 1015/1025/1035 UTC

22910 02905 36090 26295 14856 51027 52151 51317 00958 73493
59321 36664 51614 28719 56783 88761 26574 28507 43867 80803
49489 54575 21414 53301 79444 59936 17455 36227 90391 09837
10641 59917 94438 41932 49863 46937 69913 50384 93510 02090
80162 23578 16782 42755 94000 90133 60512 36755 43762 52913
19933 39912 81888 15692 96818 50519 21982 32208 63439 22880
75279 32248 11779 07120 18465 04485 86437 07461 53773 40726
24661 76133 47310 71292 51946 85124 56543 46182 06641 42941
82876 41731 91987 48588 10272 97451 79049 99934 15837 12724
08949 98659 63326 58050 67861 18980 15486 80539 33202 32317
26188 08321 14438 05128 98288 83569 36971 12050 18137 78832
42521 31577 02693 76346 04451 16440 20174 15027 81472 55880
70176 34822 58169 72002 34206 73119 45768 17408 32557 92888
41609 66269 48476 47248 70739 16062 05546 10152 58075 42122
09238 27868 04567 72229 88550 70954 65807 73385 98691 91403
56518 68001 70730 14653 29351 21656 19158 21146 01446 69629
43302 97133 27176 74391 83513 59399 40527 31237 18094 83595
15539 64246 11866 90884 18253 79779 52352 72566 48603 69657
34485 57381 95676 81258 79790 51177 54806 96680 00983 03630
79901 88180 47901 81691 69478 42074 95742 54480 09822 68268
61506 19270 23705 37639 59602 23289 98119 14419 32561 61001
89446 75800 17776 51569 29504 35922 36213 26172 80909 16448
14041 79885 15204 30911 73102 67789 12157 75016 51167 50006
03710 40083 37918 15356 10979 91827 37590 38302 47767 81654
94204 48896 89010 82670 40349 20391 27616 67574 55414 04223
68098 70642 44260 67039 30487 00982 72211 09467 62914 99231
17351 71308 86339 54922 26029 52847 19831 26654 82536 06957
59858 32304 28873 92 & 9 61202 01438 95551 18084 98691 07112
29376 32731 90870 19264 29127 40030 37944 46866 25101 93578
93516 61046 63424 51528 60921 16336 81100 95550 06790 12272
82711 58097 16121 62496 54717 37661 87295 63583 78293 06695
90472 80743 26638 41908 37789 92620 57692 31610 38833 62352
38203 39790 39789 27097 60078 31621 69727 23191 34956 90082
42449 89147 77945 78382 87341 13676 16452 27863 07673 20903
85046 56084 89762 09991 92307 44779 11479 91334 70568 32343
23474 86539 44514 00578 01625 84336 79564 60352 94094 69663
95981 65876 11466 68060 59632 12282 33373 72597 85352 96184
30079 45503 13846 43927 22430 11686 48052 37181 28626 86343
59931 90604 71248 03838 03591 61234 42974 48027 95700 94302
54419 45242 49126 35175 12557 30101 70729 62078 03128 71328
59261 19325 75499 29802 64288 54405 00000 +++++

11487/9376/7591 kHz, 10-06, 1015/1025/1035 UTC

55192 90180 57484 61789 77137 22542 15549 48930 74575 06585
60967 06624 39016 23382 91655 62224 71062 70160 39813 82071
04156 97791 53142 46344 22564 19483 32019 03691 78291 14085
39825 91584 36611 72478 28589 33339 04883 60456 47167 47721
24377 96545 24120 32098 29762 68220 42488 05060 05955 34916

48644 19451 97034 91307 62424 81746 46877 89274 80706 38718
76229 42001 91641 17320 25890 58629 41707 28733 20693 82933
22794 55071 00000

08163 12241 15741 02402 74711 22243 69498 77345 17219 58766
97357 69327 72869 77351 00046 72092 35952 52245 37828 07156
90002 55883 21688 48460 74812 12694 76090 04930 42995 00658
40517 96885 85781 99049 01949 87240 32747 05821 75503 53415
55149 73037 75399 10917 27570 33833 43445 24513 27539 19291
27224 67946 77839 88715 25188 18113 61175 21716 40821 94660
61889 45540 13082 80925 14415 96109 15295 87162 63163 36172
39692 41990 63513 79027 09787 23005 78611 91259 87762 62483
51652 72900 69069 89124 58340 38482 81422 91768 69211 47401
30373 16017 76508 57036 58653 29707 65292 97061 11478 18169
33479 88382 24993 95206 90492 55142 80049 56107 00000 +++++
+++++ +++++

11487/9376/7591 kHz, 11-06, 1015/1025/1035 UTC

Message 57

Poor signal. Mostly unreadable. Ended with 25543 85858 57447 00000 +++++

11487/9376/7591 kHz, 12-06, 1015/1025/1035 UTC

52514 78815 88681 22424 01188 10341 83098 58425 00693 04865
38266 34795 24154 25054 27748 95487 47082 02149 51181 30862
57085 28270 14550 72767 98053 21081 72268 98712 59750 15511
04516 12302 48755 62203 28265 92135 01689 37407 65445 26344
26664 93960 16663 74962 83892 08097 13928 27324 41393 01721
50829 46652 66734 44873 13578 19060 40746 68051 61375 49122
04148 39083 29531 69219 73018 84241 53771 54841 84056 58278
39183 63030 55557 93076 22214 36161 75055 79606 99185 38239
49561 62860 19744 58083 00000

16040 93330 42165 76779 19768 97790 95812 12994 96880 44323
37126 81865 47970 09494 91976 02956 96887 17814 84161 76480
25849 60994 50441 52230 88753 08321 11136 76311 13674 62818
69728 82916 30432 42913 39912 23295 84220 94268 23511 49125
21189 61481 87722 92457 56948 74330 15109 09441 63912 28265
24783 79996 38435 63816 88225 80635 33662 74622 88162 72618
69051 98761 93947 72623 52479 73057 51896 98125 75893 55078
13981 04677 70435 42488 53359 57252 31964 44451 40144 02887
52942 84776 75876 36747 21596 41485 10113 78870 74303 52496
87595 03714 12139 42105 99410 59095 00000 +++++ +++++

11487/9376/7591 kHz, 13-06, 1015/1025/1035 UTC

00000 +++++ +++++

11487/9376/7591 kHz, 16-06, 1015/1025/1035 UTC

19580 37174 25300 78065 84338 61747 73066 46369 98111 16403
97860 40718 85713 53510 78011 10153 54326 93915 17435 47673
11022 58310 21220 61893 89760 45956 08017 32769 98793 15468
32695 18599 24417 47333 17680 06486 52015 92851 16422 23432
90314 39196 57440 50281 09813 45272 42357 05668 31294 28058
96381 92177 25382 04134 94671 21908 09073 16064 13012 63597
50166 98333 76245 78539 15554 62523 02892 37446 24287 06408
69405 35450 91372 76673 42491 47452 73222 39930 52924 90980
50707 41712 09316 88753 10739 58161 75254 48145 12332 70064
58267 99727 48070 13949 84027 62085 36922 89909 54263 25085
09346 30872 11790 68786 70608 62953 61106 60198 53273 11643
18002 95033 94779 33451 86597 76693 01064 77753 87273 49626
82141 08482 83906 29283 70616 40376 83862 95835 59019 69471
09186 43852 16945 02510 62410 05120 73909 14967 35441 86796
78858 92379 34940 92083 72289 34659 22648 15605 31891 28083
94094 30684 77670 14653 44116 10698 47481 13494 92631 51701

78901 73999 69110 88512 58401 65402 79164 21440 23724 32458
01714 95839 30437 71923 90152 01697 18575 09532 75950 85407
40319 82136 98146 90966 34648 54728 07147 72720 59902 26989
16281 46907 20191 09095 99552 74141 46591 71441 59012 90048
19063 97983 10206 26231 40026 97870 59115 88753 95538 55078
69052 86333 65007 20712 40922 25430 65367 77669 55310 14410
40679 32364 49818 43989 33070 13174 30091 36126 95956 80331
37979 78560 35500 76910 25260 87187 91207 75627 06368 63448
91644 01123 88561 38927 46177 32420 02975 24346 58682 15253
84981 05140 74175 38933 77311 50797 94284 57465 54364 30167
22502 59589 91147 49902 25172 17421 25282 58236 19125 68414
85510 81284 21920 10297 85149 84044 25614 13685 03922 73299
80011 82064 06597 84593 96316 13822 71893 20492 07142 46010
30076 32279 43792 84543 32667 62314 16778 50508 02740 89220
10486 97264 39206 43082 27953 78048 73551 82856 46664 68741
02442 53184 71333 75504 44655 62771 94590 81969 95759 51548
01514 15659 78990 38786 78955 38338 15748 69349 15578 89979
64164 00294 03560 41024 99182 94969 77896 32637 32562 16844
54238 09638 96276 40210 51192 75785 37719 19981 08046 26128
00168 87753 33833 36080 86937 66327 48683 11928 32662 19872
03396 32452 30150 81921 88176 36348 86226 28391 66465 35134
05042 87801 94807 56235 22231 05898 14692 45932 38414 06846
27298 86861 25437 18205 87095 09750 03805 51853 75228 04078
14747 58058 38619 57357 35351 94882 05731 77709 10191 80100
14935 79424 97909 17837 16408 36208 56170 17081 33500 31783
13426 44301 94519 62546 00950 77315 70858 71958 43545 52627
82407 21368 32399 23400 56195 26940 28486 70268 49179 60429
00000 +++++

11487/9376/7591 kHz, 17-06, 1015/1025/1035 UTC

71203 33182 16860 78691 02737 10814 82474 82231 38706 86597
64022 17865 30080 78143 38400 89288 66406 63538 22765 90953
38280 62436 23773 73004 55775 96948 85737 00842 40006 18245
67411 57751 30043 09818 02062 64043 72322 03350 20531 11122
84785 68108 41985 33944 12899 59817 62011 70292 19759 39938
92777 80294 77473 01301 34924 24646 51987 61011 85881 24949
98564 06596 14306 54632 10097 06292 55307 33860 85428 19447
06179 26893 09901 67941 27284 65321 65272 54599 77827 45621
11240 39492 41157 61083 00000

42522 44484 62755 59320 07775 01065 61981 60795 60520 84903
48041 56976 28537 49131 32758 12812 40748 34228 72904 59016
59971 75562 26642 68012 31410 89539 03026 95213 57781 93056
78017 52817 37065 35938 75430 08313 23770 51059 36266 24877
99681 51817 24855 85861 65020 31666 45259 70536 85940 45384
66364 73302 59324 76767 79097 83542 80789 22437 34218 68304
26863 46447 34105 25007 87249 85384 76989 96349 08137 08635
77069 64618 32470 63523 08933 67571 48143 59999 49739 03099
80030 74559 17597 14837 86807 78100 29559 75921 48497 17381
27697 13085 55665 04786 46667 38264 36228 96080 21229 79914
80784 62101 00000 +++++ +++++

11487/9376/7591 kHz, 18-06, 1015/1025/1035 UTC

Message 63

Poor signal. Too many decoder errors. Message ended with 79302 63415 00000 +++++ +++++ +++++

11487/9376/7591 kHz, 19-06, 1015/1025/1035 UTC

57314 13638 35341 10748 79359 91090 71928 06216 48951 48243
43425 91084 03896 44225 70938 73219 70111 16609 57253 16121
88037 57212 84574 21420 93827 61821 81908 59509 41269 83530
10502 90505 75363 44381 40791 42739 93493 84989 19291 40943
55145 56850 48859 01342 26082 87002 30784 35819 67941 69750
42120 32356 09181 65112 46717 03925 58293 08712 63377 23033

45268 62763 39582 84091 02192 62873 04218 60805 18958 40323
97747 50775 35009 24528 03258 24490 53051 64077 00000

58645 37380 41983 46052 28612 62280 08916 28329 55305 58522
35167 40548 00028 94319 45272 97745 74754 88492 03141 43469
92215 54682 01845 42472 48125 06197 56633 89519 83965 63696
12097 88999 03774 32900 99446 85015 43382 44498 04810 46662
15521 73449 34511 38158 79250 79877 88261 28536 07143 38722
76188 20561 48651 50358 40660 03587 13117 49347 68825 60016
20831 53536 06820 80067 95611 20660 11563 64526 97316 04665
01094 20171 17731 28915 89383 77570 88283 18491 16551 85922
73002 58748 10426 64633 45173 72340 40406 16331 71122 31884
49529 30975 49562 50454 75703 35788 79948 17102 98044 70656
58273 69575 69240 93717 23740 21442 19889 46810 04751 85783
45752 35469 37652 65113 00000 +++++ +++++ +++++

11487/9376/7591 kHz, 20-06, 1015/1025/1035 UTC

00000 +++++ +++++

11487/9376/7591 kHz, 23-06, 1015/1025/1035 UTC

00302 21959 46221 23237 90845 86693 05656 77632 41024 89031
76823 42072 62390 72457 80725 14512 84442 58065 65889 27792
97437 02399 16269 82912 87498 16701 66279 17942 49930 77287
71397 54770 91710 81714 07765 90870 59070 30440 99228 28274
51106 38659 95269 56938 05376 08000 48241 34698 66394 12771
63362 30982 72982 80453 19903 26491 25401 71109 86998 86019
18203 85410 82530 46609 49749 55963 48512 88218 44325 01625
41412 79105 47785 49493 60861 13101 82673 54264 65171 80963
73758 69634 47113 43006 79907 51441 68383 95180 93254 97240
76195 45803 91582 51980 50445 45112 54873 34488 54878 34850
81950 64442 90693 10048 68157 94519 76028 10205 30013 77402
99765 82053 87771 22344 23088 81088 41833 20967 27225 04058
03937 46987 30830 69593 69081 59552 25423 89181 39102 64884
02339 95643 33847 15905 69616 21331 50883 54536 82261 43210
59688 26376 34337 37031 41236 22403 86293 07767 08942 27445
26007 88508 71887 80052 86925 25006 26272 73495 71806 88034
86017 52559 55432 80793 88479 85831 64791 33501 36186 18155
60116 02387 60553 32959 65258 15267 18513 79124 20800 30890
57979 42104 58367 04237 13112 63954 19569 74967 15291 41990
68001 21199 30763 60733 67759 45804 60874 36857 26888 87413
65848 81798 29209 73318 98025 11739 02969 56446 55528 59635
99739 03618 92254 68984 82009 27252 45174 74023 42906 77717
64837 96030 06476 38517 60045 10440 81984 91493 92621 64429
70642 44239 83218 49703 48218 36901 14086 60117 71966 70566
39770 88872 85306 24427 41638 44939 18700 53883 87204 93400
10148 86809 80171 49424 93761 60143 12133 80522 29833 63993
51873 96807 74849 85459 33205 33916 14887 69343 27276 58304
10813 37939 10288 49590 28758 37102 62561 39633 54264 00767
59892 13040 13568 51107 43118 98787 50451 76542 76858 07641
32094 54745 33344 95062 82369 12869 62282 54299 66017 42166
32701 69327 72133 09185 57694 82351 70415 30744 38022 55545
38594 04853 85491 31710 84501 14789 12063 23553 11200 48494
95615 86263 98617 00504 58309 53079 00122 48574 18483 38526
77477 22203 02028 39021 22616 05240 24166 85532 39659 39763
77577 27966 85640 23406 87818 55989 93345 17343 21955 85963
24727 07089 61360 68674 28318 83338 74608 97554 99091 34994
51405 22081 64196 71599 83487 96037 43008 17352 03439 15322
54935 43883 17347 24997 73420 34002 92250 00271 49562 93571
84305 31076 53813 53732 18613 64968 09172 30629 56645 87996
14326 34862 12209 48264 80166 47815 01872 51838 28123 07080
40815 85721 23751 68142 20016 47556 44010 34528 25730 86757
01674 73591 87187 86758 75300 60138 63453 43052 18217 66419
00000 +++++ +++++

11487/9376/7591 kHz, 24-06, 1015/1025/1035 UTC

03040 07576 45909 89502 60377 70724 84473 99060 05050 44407
34104 01236 25775 96030 25846 96341 24596 13121 58933 63531
87182 48609 95946 80337 99327 97071 12764 16156 33080 19109
89222 29330 50932 56063 51448 22541 01517 02257 01784 36184
05252 26931 97245 84426 53349 63080 62463 63618 68654 05378
48013 87765 01733 84356 70120 30730 60648 09062 92625 79866
97869 95332 37193 30766 02750 21932 32661 77799 72996 81680
39505 80152 63599 19813 10328 08036 36626 76711 72320 98759
60333 77240 42645 77353 31041 33834 12648 21432 16192 55550
61873 67091 00000

97099 10735 38988 06248 25570 27547 40568 27827 32236 06595
23661 78946 48039 96301 74009 81457 22933 24936 00410 91619
74613 37981 90318 21895 16245 30532 40565 38231 61629 66887
24088 37525 31256 04546 78650 34941 07667 64782 28468 15789
13572 16988 74679 31633 11164 68977 15603 45331 46056 80429
82717 54686 84287 41669 03305 49395 15831 84962 25684 80996
23046 20522 67986 50475 37510 14409 76404 43253 33661 50508
03841 66212 32700 43785 44919 66463 15181 96989 88269 36543
65734 18010 72037 35720 98351 40058 53561 82100 35674 11869
29138 95229 40729 68093 00000 +++++ +++++ +++++

11487/9376/7591 kHz, 25-06, 1015/1025/1035 UTC

Too weak to decode

11487/9376/7591 kHz, 26-06, 1015/1025/1035 UTC

39304 46466 83822 24454 52436 19425 29540 79812 73924 04551
14586 57120 95757 64695 42756 97984 14126 96602 51740 35757
95280 03968 97201 09669 14935 38182 75231 70848 57133 36435
31618 22433 83532 11871 31374 60943 09031 75480 86949 11115
44682 94422 68583 71373 93831 16454 45209 12151 12414 15163
29376 94206 69343 35691 24600 99169 67948 45631 98606 89463
14373 20787 30879 39823 43883 20485 07964 07574 41036 32124
64974 33873 14616 70073 00000

81953 51856 91138 86111 27454 59826 41428 30303 14757 41268
39197 01534 30790 60586 30268 22938 36320 22069 13400 49903
91257 15194 60566 40225 49212 06126 68196 79057 25965 98847
56561 44577 71559 14346 59484 25314 00687 61314 71578 25076
61069 96789 45191 16406 44508 00169 54236 28522 70305 09044
67115 80655 95725 90287 95906 96743 33207 44836 14009 62406
78991 69591 59430 10147 82867 24900 65913 43707 13718 81032
89073 37526 00554 42097 19747 72233 53722 70845 01739 92112
95982 62780 96140 95473 58125 43031 59431 93882 18840 84410
27523 01158 93498 70104 22963 71095 00000 +++++ +++++ +++++

11487/9376/7591 kHz, 27-06, 1015/1025/1035 UTC

No transmissions

11487/9376/7591 kHz, 30-06, 1015/1025/1035 UTC

58182 65370 52885 27365 04414 38639 08190 40778 16386 25257
86305 12653 62994 98299 70564 24365 49736 53292 53791 91099
82787 47358 27832 78202 94510 45503 08709 95750 60070 22467
39625 82288 59863 93573 38977 13660 67418 73029 85577 97873
67484 83092 58277 41945 33981 62565 72159 01645 22491 48041
78515 50096 57004 26332 20764 26156 15576 81539 63530 48524
44605 85184 37044 06505 56409 02838 64060 63371 89793 15700
61496 33264 38287 80554 33947 17562 75748 76539 01299 11662
34024 12173 27601 18109 12338 91069 43398 27009 23110 59784
78710 49667 03894 86226 48840 16382 50102 42075 60204 74340
48236 87633 28364 46548 14277 82571 25461 37733 66947 70970
99228 98152 90525 14135 30772 81258 66892 69587 23308 56139

81505 39698 39049 60689 32993 38374 26419 06437 01038 49262
04788 70966 52256 73879 98913 38885 88753 93136 40278 77250
69040 90670 77509 56418 55996 11432 63066 52228 71582 53962
08383 90488 62967 19803 24662 19666 09773 68471 91495 22753
27123 51437 20505 04217 44175 23544 06189 12998 62828 55303
81169 87470 26302 94515 18015 33320 52251 50636 44832 70264
10138 00334 66823 08560 47511 37685 10977 41233 94912 17423
36099 62973 04079 64702 75359 51615 99126 49799 03548 73169
45424 51187 46218 96308 65819 55441 72927 27285 58915 67378
41731 01174 99097 28906 87142 90418 22967 69991 68733 16589
31907 40197 22571 76304 65437 94220 82671 17254 25058 29879
64658 25248 53276 01970 28820 08247 97492 60447 64747 88300
13430 86353 64738 37328 87814 23943 78165 17694 84977 32434
63983 13495 47062 05825 83565 63516 02544 34217 01070 31783
62728 05080 83503 76642 10934 67890 17684 04327 14034 10595
86282 17916 11044 21319 70139 97660 58456 33773 69031 73576
36998 79785 58091 76273 49497 97399 22048 76939 64556 67982
34498 52416 85709 80761 74378 36326 50758 48255 96830 42152
90968 21011 00657 69245 04822 75095 59533 27666 25999 70785
09191 42820 90293 05880 07735 25813 31142 12077 11298 20468
58444 67865 32211 62932 00386 26344 71888 14833 12921 81429
45594 55892 86634 20880 41305 46963 05641 39564 79832 99402
38233 11434 68406 11740 63945 43616 64904 59561 66740 61075
94905 49559 48992 95280 88777 73669 45954 75311 30953 24261
45409 44843 38619 56277 42180 53452 11974 07307 82190 95670
23260 11491 75762 96232 36754 68214 84844 64955 76900 51530
13850 69675 86776 71231 58793 00705 44076 21530 94423 25211
26806 78268 04021 54987 45866 30598 81569 76040 86724 58078
60971 13422 27354 89114 52002 29760 24622 01686 87696 80918
86339 52292 12837 77220 71125 72415 00000 +++++ +++++ +++++

F02 – Russian domestic net

14694 kHz, 19-06, 0505 UTC
13391 kHz, 25-06, 0600 UTC

F06

Link 00000

10198/8082/6833 kHz, 09-06/10-06, 0800/0810/0820 UTC

11100 00000 43952 06093 02039
50222 49656 13602 21613 00181 96060 68033 02610 33239 21158
89704 77706 71638 73718 85321 69770 51368 16978 62451 48544
55690 14965 54880 26197 36633 58760 47681 51409 29176 56143
19175 87929 87786 33047 41976 88548 00019 20275 10303 00408
56837 23899 85749 62608 84378 02799 78700 82028 66818 01757
07577 98310 15045 13564 03106 73946 60813 68563 49788 70385
81087 75072 81772 96132 82229 59127 75298 37744 98756 76971
04925 09677 86321 98744 55696 83917 13630 86794 08474 85342
82963 17060 40580 63730 34009 16954 08977 78373 10674 18189
08142 56231 95572 47984 19845 09546 41888 07083 97004 23876
57269 08033 48810 52473 19482 72147 19310 77950 28471 08604
76632 27163 24547 24106 55050 50258 27367 36548 17059 99819
75409 91122 27659 71045 70617 02307 58039 88900 57910 70164
60841 53180 94246 44403 84184 77418 86921 34622 16665 82585
05794 90186 80477 31500 99124 98174 14893 14915 67713 72821
17234 25186 77031 34909 33573 78486 12021 04532 16315 71488
04261 55683 90868 83458 86189 06091 98584 59696 52056 40748
08149 37263 30304 92567 12625 98927 97065 28611 54323 66281
85456 15315 44695 67936 70361 61158 71427 43776 33392 60213

09941 71165 37713 85013 81459 24073 67411 02165 24858 01052
11114 93201 00000

10198/8082/6833 kHz, 16-06/17-06, 0800/0810/0820 UTC

11100 00000 76381 13094 03279
38979 68794 25258 05761 30481 46488 20423 43874 76543 74473
49785 43242 63017 89303 07613 07697 46548 36578 08793 21124
68800 10830 32014 82120 23519 59567 83751 42663 43609 87426
62736 49214 00419 21343 29603 09708 32423 22709 11400 34852
45485 57431 95651 27187 51886 59845 93658 16330 40317 51409
77720 63855 94010 00119 21976 86234 99208 31588 01543 69284
11146 27725 29644 72557 69739 73941 37415 47104 82180 40834
26063 15064 14603 11284 46094 84494 60014 88891 83259 97910
74700 48704 55944 37931 00258 16170 53660 38512 13472 85239
71338 75171 71202 11580 19119 32659 42485 41810 12305 73504
45024 64720 71188 55884 28268 95395 85424 74236 70250 28186
22642 21078 80397 19468 85981 93435 25468 86119 50248 92359
20836 30667 31361 88925 54284 29017 68795 55192 34513 41734
25697 83525 81536 34784 36363 42750 01166 20691 55771 44544
10757 56039 90847 18535 08423 56265 18162 19518 02882 13667
17734 15245 46142 29577 77641 28210 36209 96627 49118 29890
81992 92061 56826 10847 47614 68006 93985 75161 18294 49657
57072 32612 55008 77319 99728 87046 30102 53225 10627 44388
61050 79073 44922 88697 84544 95237 64025 99750 38107 57562
63349 10548 41405 12702 92740 28209 94464 57927 99270 66680
34962 96344 47078 64697 21790 23462 93951 87441 37073 06039
29331 35319 23839 39162 03434 08313 01510 92480 02171 99336
26422 81535 47558 15027 89546 25127 28302 47417 68610 74654
90241 44930 76794 26368 41355 56121 75201 52461 50994 44608
41286 11959 48042 98645 10425 27319 47698 83745 32817 37701
61548 11819 12909 64824 70631 25246 23523 52371 66182 19337
11885 64854 87735 51600 39724 56900 13278 11264 24655 48874
81145 47501 75005 69801 48339 79766 35298 53494 14960 38714
84556 98854 69439 11110 54634 30269 34263 87190 60753 19032
16869 33899 61432 51757 95403 42437 89999 56679 94036 23573
24874 23824 27511 49134 90805 79945 19615 63142 08261 04197
25275 10999 33132 95460 10940 60187 53980 27269 72965 10907
38970 51269 98659 20094 49713 94325 00000

10198/8082/6833 kHz, 23-06/24-06, 0800/0810/0820 UTC

11100 00000 35691 20095 01859
32961 02152 28768 54344 15620 68572 89305 13168 60251 93427
67663 03402 43770 73469 83516 77979 78676 85329 65704 84495
94907 13543 86089 03236 73748 38819 94683 91554 13471 85010
48228 95538 31402 48210 49423 14897 32111 56410 38987 32002
96388 33169 07735 41040 70720 63718 20862 38185 61930 86948
71629 58754 66698 61713 06622 72268 90614 80883 89780 71364
36483 31598 97395 15487 66544 25137 61233 15309 68316 44866
02010 68808 78733 85684 20367 84942 46274 83413 37573 55861
35761 57563 03104 63589 05536 15915 11314 32118 11665 94359
94371 60850 18909 30430 83661 00322 23091 93954 56815 56156
14603 23282 12589 32168 37693 40513 40754 48573 25254 44166
79194 96230 13780 02729 75398 12857 68193 97521 94536 92148
71214 88315 41306 61757 56976 00146 87726 91047 93561 54748
24094 14574 44153 95064 75253 82224 61488 76254 49400 71958
95293 21646 11582 26078 17409 67062 99096 96973 94258 41971
20978 13284 61387 60884 08744 02394 79725 23448 10604 30228
78283 46665 46310 44260 12960 77681 64845 30686 96150 60574
72124 21689 76841 55587 20905 13750 75884 34242 80093 82920
06133 98762 25634 95183 00000

10198/8082/6833 kHz, 30-06, 0800/0810/0820 UTC
11100 00000 42186 27096 01099
44072 66245 98240 53352 76974 22343 45169 62671 09338 75017
72886 73280 73981 13536 28588 00441 18564 07998 96828 12211
84822 49294 18069 15942 09790 98926 56539 91357 59916 03388
90857 37389 34045 52765 25845 24986 96168 88287 48959 73055
23910 88469 79803 89744 83660 88566 86134 46236 68320 13015
64815 75252 58569 25546 11141 11457 93616 26669 24991 15934
62353 53195 27223 51937 50856 59514 84770 04104 07179 85280
67857 58300 09362 39225 87789 84307 47603 53761 88742 88530
56530 90084 91996 28903 58500 98441 16044 09194 03884 63265
21019 94896 19243 87864 50880 17887 99377 98345 71782 62032
04133 71465 30075 46955 45953 16091 78375 96107 00000

Link 10053

20945/17515/15677 kHz, 01-06, 1530/1540/1550 UTC
11166 10053 25813 01078 00049 00000 00000 00000 00000

20945/17515/15677 kHz, 15-06, 1530/1540/1550 UTC
11166 10053 15948 15001 00049 00000 00000 00000 00000

20945/17515/15677 kHz, 22-06, 1530/1540/1550 UTC
11166 10053 13578 22001 00049 00000 00000 00000 00000

20945/17515/15677 kHz, 29-06, 1530/1540/1550 UTC
11166 10053 13467 29001 00049 00000 00000 00000 00000

20889/18051/16087 kHz, 03-06, 1650/1700/1710 UTC
11166 10053 32147 03001 00049 00000 00000 00000 00000

20889/18051/16087 kHz, 10-06, 1650/1700/1710 UTC
11166 10053 13579 10078 00049 00000 00000 00000 00000

20889/18051/16087 kHz, 17-06, 1650/1700/1710 UTC
11166 10053 74523 17001 00049 00000 00000 00000 00000

20889/18051/16087 kHz, 24-06, 1650/1700/1710 UTC
11166 10053 15487 24001 00049 00000 00000 00000 00000

Link 60070

14929/12122/10359 kHz, 17-06, 0030/0040/0050 UTC
11166 60070 13597 17001 00049 00000 00000 00000 00000

14929/12122/10359 kHz, 24-06, 0030/0040/0050 UTC
11166 60070 74523 24001 00049 00000 00000 00000 00000

Link 70202

11163 kHz, 28-05, 0700 UTC File 44442 (binary contents)

11163 kHz, 29-05, 0700 UTC 11166 70202 28146 28043 01339
32569 21245 03012 62005 23900 73713 77909 66754 36370 66693
31007 48533 03172 72564 31311 62889 29658 31160 18289 83699
42900 41285 78231 78721 38213 37106 44931 06738 33592 04085
98112 03453 67998 14151 58054 48367 04430 84809 99843 29779
23714 91847 35693 50129 19957 90348 38760 38858 33599 23703
06914 64973 82999 25275 89875 66513 80491 42456 28181 39090
43855 37747 77385 50701 39129 46598 15975 75001 15716 96657
60398 60217 19704 18148 35662 75893 96350 00032 74936 04661
17669 71673 46603 71205 96035 14673 32174 25642 69790 34565

03533 23461 71729 47067 72929 69246 16457 58563 14165 16358
67510 45524 78407 39745 70227 62526 53069 24105 61250 33582
37193 34553 90643 06456 31781 62003 17543 74652 68493 60442
65276 96772 25175 18285 46892 67919 01627 31002 97038 22838
54076 43131 00000

11166 70202 29146 28044 02379
78356 09603 44481 30697 38791 78817 74107 38289 82546 69044
94896 52523 15233 90342 42181 50242 96914 97302 35275 34820
53526 39892 00462 94876 89176 18703 15960 72848 47759 86770
89797 98111 97320 65172 06536 64344 35627 64577 03776 55816
40345 29944 64387 52287 12305 50546 35404 67212 85252 02524
09506 98926 00558 16133 30043 99518 70291 84899 05536 91052
77117 58847 44577 83853 84448 89000 47089 76522 55288 15341
12856 42381 03195 15410 53293 32031 23824 55744 17364 46710
80468 13327 67599 62138 42039 59251 67155 07542 96927 21774
63835 29537 91180 70954 82033 95568 64435 92060 58511 16583
82039 39933 82977 93625 86803 91494 29374 18061 18822 38589
88828 80081 76788 88341 40209 65213 19267 63228 19209 43495
29328 18035 71902 81015 91011 15903 03714 28510 51036 30640
59737 66691 64207 67493 97332 13004 45947 19563 36953 19494
80391 02047 02130 16484 57501 31511 84549 81725 37599 42359
95177 39740 66797 57704 87340 21012 91734 56815 62733 35741
47073 06338 96260 41826 14185 47472 40672 11783 74458 56291
96917 28263 05690 19397 61161 62886 94958 92089 84396 18057
66458 31251 05594 36449 47701 20115 44318 07864 22536 27126
63767 28137 44428 66066 40141 89778 08422 49632 99313 09043
05237 53671 06716 19110 05933 34231 21380 84073 50572 64647
50090 13406 39327 84823 62555 81607 49469 79913 53565 82721
26667 30584 63051 74388 24045 02048 89998 91150 87434 64049
61135 31675 10243 59002 40358 44235 00000

11163 kHz, 30-05, 0700 UTC

11166 70202 96741 29029 00049 00000 00000 00000 00000

11474/9234/7461 kHz, 02-06, 0700/0715/0730 UTC

File 44445 (binary contents, 2367 bytes) empty text header

11474/9234/7461 kHz, 03-06, 0700/0710/0720 UTC

11166 70202 61524 02046 01879
32109 57900 10782 96886 71259 64265 69388 92466 05159 30073
61522 76335 79064 65278 30296 05722 62496 09356 07435 86013
91152 59614 48602 16110 37433 42580 84051 10436 64265 01876
51800 33559 41923 01051 05506 08337 32516 64783 14243 83534
71842 06905 96357 71859 03294 18672 54595 94337 43502 15736
04684 91979 84405 67233 14557 90663 61431 55455 96416 30185
42480 39506 18813 93402 17396 21414 30925 96411 92613 38118
16250 25701 20671 27768 17854 33214 19269 43782 02415 25259
59568 15094 55206 06203 28422 76032 23230 62889 94206 14260
48685 00720 30965 10222 59948 67322 80535 66537 12273 24769
57350 50762 95367 56256 25609 99974 50072 18198 03491 60614
61291 73668 74111 62009 19390 68125 07907 47035 67236 33363
26126 08338 75072 30619 60127 03564 10402 68782 86162 48029
95092 58632 40337 08269 66868 89056 43430 44900 87385 36175
90273 78240 64072 41311 83357 75121 77934 18750 15376 80325
34503 79219 30371 41094 80107 80029 18187 98130 50676 37810
21914 41562 45241 64785 62997 55256 41336 14519 13723 97979
94478 48070 71743 94790 88919 56496 16349 37132 31854 00644
51160 15054 08270 54158 62935 46185 00000

11166 70202 14358 02047 01959
24346 45969 64412 75740 90483 92327 55317 29640 75897 94197
14725 57335 69510 47234 51154 27667 21758 09749 61811 29862
69758 97288 49207 75376 40308 66367 83579 28756 97896 23297

90801 65923 29932 19056 70467 83356 86355 16128 73837 06577
15848 38251 96341 71394 65791 39018 64310 76342 38201 50256
20646 29741 18795 96131 39088 39828 21394 83919 21801 21394
14851 07360 59930 17358 24673 23563 61850 58723 26552 89376
78764 11347 73966 68165 82361 82963 27060 42944 74209 88907
74970 96787 31574 99953 68812 46469 19349 20729 07483 40255
22793 72130 43489 55804 80750 76182 00989 59088 24047 66771
23218 10304 48747 74698 91501 27679 78975 60486 83038 45132
98954 93377 59641 24722 58987 99959 04616 09811 85044 30860
49978 29896 46653 18942 61192 93031 62773 27442 71611 26792
50354 11492 83811 53704 45249 41445 80011 12091 50184 61470
08766 58265 89460 81829 40102 11000 75092 28282 06318 24232
14046 97064 70596 98921 11289 88865 90654 70006 48320 20246
69585 29395 41885 35938 11104 70930 12545 70460 21371 68266
17801 32486 24589 21589 29456 10404 84553 34124 59905 22507
49346 04368 67033 60249 61367 44977 92418 98004 99880 64256
12525 67766 48267 47193 00000

11474/9234/7461 kHz, 04-06, 0700/0715/0730 UTC File 44448 (binary contents)
10762/8191/6782 kHz, 04-06, 1200/1215/1230 UTC Not monitored

11474/9234/7461 kHz, 05-06, 0700/0710/0720 UTC
10762/8191/6782 kHz, 05-06, 1200/1210/1220 UTC Not monitored

11166 70202 38156 04049 01239
90213 42251 66073 13053 60744 55479 97093 02618 31178 72169
60494 05973 12818 70206 27499 63289 01800 81706 90899 74547
53083 31739 02387 04907 01030 09950 74417 12819 93740 11031
26330 99344 33367 04981 79379 02090 39548 23084 30393 82207
78194 70549 58717 77916 22784 01754 46161 22942 40365 19007
14611 53354 19459 80805 11011 51207 82037 30482 94390 98444
46776 81216 04636 39488 35762 18315 17680 75960 41844 04732
16816 41968 98817 00733 34800 33398 21632 33669 46447 89642
08797 78781 16411 51218 24188 36974 31810 41686 00440 20507
74419 47338 31095 82524 12093 93069 43725 51382 14117 37877
71184 55683 20170 38431 63201 50986 17587 54143 05493 84104
06618 92186 38576 55938 58348 15881 93480 68789 94996 64904
12387 49121 00000

11166 70202 38746 04050 02259
60565 60118 07958 45333 86979 13522 85053 98293 74639 93349
28077 13969 61564 99541 60917 07774 79698 41104 50064 94462
89298 26827 51942 93535 49760 38127 70888 87877 56545 32467
69959 46559 98914 50762 01761 47723 18156 27244 51485 62521
70969 25192 09341 86010 27742 46991 14563 25970 60348 91933
38199 85557 99202 60217 96845 00757 64238 26577 14531 18545
99490 31969 74933 26718 65991 66778 31113 71318 72642 43948
64957 22598 49771 85503 13516 75445 95047 70882 04419 95236
46452 20521 67566 45019 61977 13138 15273 54994 10766 60139
08058 20213 05350 85591 48265 37433 29702 85204 68707 17083
42762 62744 08516 31246 62154 67338 93374 83629 57757 80088
62358 12438 09824 23436 08516 62094 11351 91727 25426 84750
19361 26401 76894 57517 84804 84241 31983 26351 15767 72141
32551 12545 53649 46803 85515 42752 67043 02814 97000 88479
92955 97547 90565 25998 80090 86311 76706 52589 13864 66188
65816 20092 27852 52009 41783 71657 31348 32885 38428 92675
07719 82753 85959 11792 63250 23358 19628 12961 31173 63108
67789 44476 60545 60259 61538 35905 44690 83842 33115 58876
68868 70787 95270 92645 81882 02675 18774 80394 21287 50554
50256 87177 46904 61267 37564 95476 62325 83706 54833 99282
29093 58463 44449 82660 03238 19285 18087 93709 48874 79785
84026 49887 08531 03850 92926 35604 34906 83170 19233 78052
13739 70343 20431 50223 00000

11474/9234/7461 kHz, 06-06, 0700/0710/0720 UTC
11166 70202 65817 06054 00049 00000 00000 00000 00000

11474/9234/7461 kHz, 09-06, 0700/0715/0730 UTC File 44451 (binary contents)
10762/8191/6782 kHz, 09-06, 1200/1215/1230 UTC File 44451 (binary contents)

11474/9234/7461 kHz, 10-06, 0700/0710/0720 UTC
10762/8191/6782 kHz, 10-06, 1200/1210/1220 UTC
11166 70202 24685 09052 01359
98281 92444 83961 00351 77813 75144 99120 66763 74571 40520
24454 38341 20211 23385 91718 37328 18209 77434 25917 46326
44546 72387 99731 24236 46133 79887 31813 41425 35440 40372
89844 38835 04738 28077 84341 40691 08428 56379 64099 75514
86854 90658 49244 85131 30075 60859 62823 26347 04999 90957
46857 94985 94347 87503 73813 26990 20865 54430 89417 56245
55226 26332 47761 33838 31064 37372 24619 38427 15574 68032
19937 32414 09115 36881 85413 43600 72255 29543 38115 77023
03694 82069 46068 86656 17503 60887 96756 61651 93118 06522
84469 06834 96530 33265 77437 22108 96094 02008 50680 10491
21409 08383 95528 69431 38706 53443 41737 45131 41173 89041
53128 54532 77659 55101 82716 04675 68197 50976 98236 64096
79775 08072 14027 65981 60807 55934 90187 47727 57727 98972
84972 56626 62150 52133 00000

11166 70202 39715 09053 02239
49679 83785 49403 06055 22877 53556 58457 58878 57485 42610
01659 53890 74338 69743 21101 17157 56782 91703 75599 93119
53844 62781 57383 21802 35060 52698 00290 73550 32898 02487
77910 33476 33721 23039 15101 52787 03222 66030 61318 09212
57261 21882 99206 43685 14065 24465 86878 65495 88696 67238
57322 43070 15757 60489 23374 22602 11245 84380 61700 41691
09513 17482 74212 30186 36257 45484 50369 15437 03486 79768
78791 74112 37392 40530 81629 97796 75075 84143 70122 64542
91050 79449 44790 33565 39478 62652 88689 05274 23054 25527
27168 13813 24496 16605 52573 44323 61571 60044 37324 92088
51588 21855 83814 05765 96304 78182 84558 81884 23179 65321
91034 02812 43912 16167 14653 35346 16207 12764 08296 32157
19692 09670 01859 03236 81937 07801 90227 49557 15512 83454
97145 76136 52009 02192 63387 26667 83985 72276 32691 06924
50745 17351 33880 89129 28908 73032 82618 14465 13705 37129
51225 35906 01929 28154 79996 68588 12488 31830 28472 39868
05487 40264 90074 56291 85789 13491 18571 29630 01987 18066
39782 29201 76708 22398 46987 52633 29231 53500 03462 32285
76295 44867 00570 19488 22097 30139 44870 13814 73362 62264
72665 29552 40469 62832 15416 16572 10536 31276 64490 77774
03420 68613 08652 50314 46563 95439 42747 42774 29632 68838
71017 45484 24864 27910 53485 56180 84088 22593 68832 88169
48337 53221 00000

11474/9234/7461 kHz, 11-06, 0700/0715/0730 UTC File 44454 (binary contents)
10762/8191/6782 kHz, 11-06, 1200/1215/1230 UTC File 44454 (binary contents)

11474/9234/7461 kHz, 12-06, 0700/0710/0720 UTC
10762/8191/6782 kHz, 12-06, 1200/1210/1220 UTC
11166 70202 41835 11055 01759
29781 05341 14470 03220 19732 77388 22396 62447 19638 24556
40482 84340 87489 61098 36465 64878 64675 76446 44968 89552
15545 51798 44227 85754 33094 07285 85654 39327 65448 53135
43415 11202 42831 43281 76210 15084 09717 54847 18462 42099
91835 41950 43074 43362 52736 37256 62963 06382 19589 99728
63549 86256 82905 32006 83386 77596 99882 15844 85132 38095
56037 39059 84030 99707 64837 12427 26105 28364 10005 99935
33242 18149 60181 10884 57365 30896 10645 27208 10870 17131

31768 64513 65517 79293 28899 90238 36979 63193 43354 47371
97204 88610 49217 57179 81814 55011 25621 99385 84697 83282
09207 93208 57006 79450 56449 27731 52727 31305 70527 15022
88032 73871 72440 64440 06575 84665 21041 01580 67934 94680
11691 80272 01403 26020 08210 61096 92272 92140 87816 54830
92846 21624 03747 54280 75337 91422 95227 02929 68845 80515
99511 73831 47614 79911 45646 57211 62732 19939 34661 80178
34491 00757 35885 07016 47566 37028 54046 93472 16222 52684
46871 93494 11721 86736 97859 41832 69132 96044 73915 60976
15718 66014 22537 55173 00000

11166 70202 10846 11056 02039
66616 17896 90579 57606 46756 67402 94152 15749 39135 39083
08819 07023 68324 64664 12526 92727 73613 79525 51865 29326
29871 95783 51265 33186 65000 58296 36747 18070 41153 19507
53905 03825 91913 94079 84823 19693 32612 79252 93601 50696
85983 51856 55179 00516 90335 77921 47155 69321 82433 95831
09273 69977 72268 58944 00282 31059 51919 48618 06835 60132
05673 93592 84138 65719 13611 56657 33018 61391 65837 74530
43098 00433 29534 61910 56792 14510 36044 15618 33769 54770
80152 79777 20600 58836 48772 57967 55272 92104 21203 83284
61246 36802 08164 82250 10761 27233 21784 93509 62053 54659
93733 27247 00199 90240 83691 76264 36254 99480 45328 14656
44379 46619 42002 45021 41645 12396 29340 80146 40199 73634
46912 70096 26484 18085 86165 10661 47188 92943 26821 94076
06635 10522 58916 87976 05272 59461 32671 53500 73969 94967
03383 38501 83804 06477 63527 06787 36018 86208 79243 89334
61838 47023 73418 68417 86859 63050 22525 30572 39647 31492
59423 49361 09279 79064 99311 83854 81498 61502 31001 03762
08162 29571 40713 77179 89681 60016 60584 81857 75141 74891
59066 25952 09777 97707 15409 89170 84500 19833 45404 20290
67178 75580 70603 51930 20317 49433 48161 18580 34873 63830
03525 56201 00000

11474/9234/7461 kHz, 13-06, 0700/0710/0720 UTC

11166 70202 85347 12067 00049 00000 00000 00000 00000

11474/9234/7461 kHz, 16-06, 0700/0715/0730 UTC File 44457 (binary contents)

10762/8191/6782 kHz, 16-06, 1200/1215/1230 UTC File 44457 (binary contents)

11474/9234/7461 kHz, 17-06, 0700/0710/0720 UTC

10762/8191/6782 kHz, 17-06, 1200/1210/1220 UTC

11166 70202 31587 16058 01619
28824 04658 90820 55054 60652 22333 81917 74459 28746 75459
97475 34986 10571 08185 17290 05890 78847 91307 06355 42203
34010 28347 63984 24064 69586 26169 95678 09804 06415 09850
06183 95005 56659 86460 37180 94693 03531 87469 98042 90869
07685 44448 63095 12551 76205 77753 33815 40533 55130 02900
89408 54034 31446 84287 74212 61428 55492 90980 95341 82244
19721 34227 29028 72628 54728 91400 59097 11439 28519 46063
95998 89186 59931 98816 49850 66986 82149 28652 55922 97717
17266 09475 75992 26582 47801 11486 24029 13237 96144 42117
89620 42707 47841 06213 57596 17246 79657 90122 47282 46342
78377 99418 19816 77065 61252 04910 26967 31923 34055 76642
99907 46426 47663 10582 01348 23556 39118 77653 89495 47301
68093 49831 67272 22478 84710 82974 15216 32994 89640 61080
31509 35767 72429 31655 27588 32471 38980 86884 52735 86302
64136 70294 46132 75952 30295 13582 39779 03977 38002 33316
60737 01744 99449 42186 06118 98155 50822 54489 89274 58159
00000

11166 70202 40139 16059 02099
65511 04668 14623 72305 10433 25557 28116 23200 72971 33161

13638 53070 57355 48886 54567 35522 90179 73561 69269 08550
67254 90402 69709 86346 06402 97777 68989 15748 23404 57685
67498 25730 73284 70890 72368 43426 24100 14668 29910 75072
55447 04075 75729 75341 98866 62694 32211 53485 62315 13792
08043 89739 05924 27819 79486 60409 61203 87206 58072 95095
10895 54367 74406 14478 71656 53875 32778 22109 46765 04733
16258 48641 41031 63674 46965 71943 55099 65441 31210 61525
01337 70974 44176 20721 08494 59445 33845 25058 07315 25078
48846 80261 14297 64689 19924 48326 55780 66893 49698 15079
99560 38904 90418 97701 86205 31866 14392 15618 77261 50669
06777 73204 62555 59160 35422 27752 93750 16715 77451 41120
36374 07085 07267 38520 57474 45475 75670 22867 91123 74775
34786 18125 48929 86894 88464 40113 67763 30125 72871 18170
11875 88483 96935 16146 71592 43962 97343 26151 25794 57621
87782 33486 60332 30479 07100 76206 59606 30110 96076 47756
13464 93915 57511 16099 06626 44982 79280 57797 82812 81484
25078 30465 00772 25552 22524 32038 24384 42554 03319 20303
14035 66724 75131 91108 11453 94077 29925 38718 35181 28544
18386 46712 28894 92269 45157 82913 29717 36006 64561 96737
48772 10542 81495 42432 81100 85104 87192 59207 00000

11474/9234/7461 kHz, 18-06, 0700/0715/0730 UTC File 44460 (binary contents)
10762/8191/6782 kHz, 18-06, 1200/1215/1230 UTC File 44460 (binary contents)

11474/9234/7461 kHz, 19-06, 0700/0710/0720 UTC
10762/8191/6782 kHz, 19-06, 1200/1210/1220 UTC

11166 70202 76913 18061 02039
03317 73781 83308 69724 84491 40747 03970 04049 20481 88914
17853 98367 14934 67173 97606 31913 18969 80890 93969 52893
21155 85583 22877 07754 62593 06076 80005 07660 38038 85831
06192 49354 68981 96157 52177 32615 59655 59947 16102 41471
71878 69671 52186 81379 79691 04289 74048 89546 89705 74773
01085 60581 38127 52940 21351 54668 00362 63263 69392 80444
74168 42361 42448 69779 22278 95857 03469 86624 85425 07282
44395 37143 01727 78713 08124 73291 93343 07854 92601 07049
06371 31203 85489 77472 14880 88049 02825 37778 25070 84935
30134 54628 40438 65309 89412 36810 73938 14032 80432 35498
18042 51439 69795 83286 08646 96644 26181 64180 43770 04760
25226 31723 42974 07738 72464 17469 58433 13507 17777 96964
73620 43104 59776 05443 50506 10475 63577 20405 11254 74642
40380 53297 65303 18922 62308 17440 17819 36880 10935 64432
20411 29713 82944 06183 50089 44744 01354 64788 27369 09719
05744 17422 09477 42588 19927 28433 19596 41469 20495 85836
98078 84464 54687 84393 86572 94043 81004 22452 80990 45647
31026 04749 14270 25228 15842 68355 54854 65404 25562 73958
31829 14907 95327 29654 22666 21024 36259 39454 64491 29714
54784 93686 74832 33086 08790 43473 92775 18931 74017 26484
76470 61201 00000

11166 70202 65781 18062 01819
44186 32803 03756 58421 59110 63655 38277 27929 69205 17037
70411 68165 35277 07314 98631 79660 75880 81724 06458 91712
70970 82402 91359 00633 21908 90151 02349 51457 28749 54638
09701 80297 70752 40695 55237 59522 01058 45435 56621 12969
91449 65843 64086 93343 88163 21550 93049 39038 64664 62469
81039 52506 82329 15980 42374 67431 94990 53356 19038 96831
58248 80112 51180 79324 29513 79971 15686 65712 69716 67123
06246 13099 82604 26486 53370 78698 52573 46626 07783 30556
66983 75054 35627 17334 33872 50568 98930 64378 31021 92331
19757 88240 47311 50381 51493 46839 02293 47248 05695 67457
54919 65378 07939 19762 37384 60038 81123 26024 74979 02404
79635 25736 77944 82506 22846 36816 16209 26731 01348 80572
12994 09556 54398 62633 18193 64210 41976 27018 47476 21959

59918 25536 98059 34669 71551 69714 77064 60382 54265 57425
03416 16556 84473 91411 69213 30661 09381 31888 71516 42845
79008 50425 50468 40319 36912 77274 94707 28181 93026 59350
00014 66346 27077 71038 92094 27278 95996 45023 49486 54217
43781 15324 87478 24568 37227 89727 89021 48169 75983 62179
00000

11474/9234/7461 kHz, 20-06, 0700/0710/0720 UTC

11166 70202 95163 20035 00049 00000 00000 00000 00000

11474/9234/7461 kHz, 23-06, 0700/0715/0730 UTC

File 44463 (binary contents)

10762/8191/6782 kHz, 23-06, 1200/1215/1230 UTC

File 44463 (binary contents)

11474/9234/7461 kHz, 24-06, 0700/0710/0720 UTC

10762/8191/6782 kHz, 24-06, 1200/1210/1220 UTC

11166 70202 24879 23064 01499
82576 58828 73464 25955 72080 81744 53592 97205 95738 08851
92077 98823 21961 91445 66671 00887 82740 72579 83035 58738
64935 12200 44200 79002 34063 74885 33000 50535 82808 41123
12191 63748 21420 28050 71927 66764 52192 30611 79297 31807
95217 19065 09588 30302 57591 53768 63975 40091 63266 03191
03341 33222 85737 76087 52871 17738 50741 03763 57159 31910
01174 33382 90475 14349 41391 18242 51901 98430 03098 15962
00020 04482 00004 30519 06836 28147 63438 59065 35627 48396
76110 29474 72412 03587 46198 39539 65708 09042 88955 33777
54288 14558 08036 78765 87608 25302 93698 22946 68599 34517
80105 51846 73510 41487 28882 74646 28488 53188 31139 03029
47581 93074 45137 08252 61868 65426 11784 67385 94368 48703
15149 34643 60457 16339 80188 98746 98449 08414 24864 12268
60046 02648 08839 03878 15334 58142 45953 09444 52021 30314
72645 82910 73604 80461 89523 72910 26140 64147 00000

11166 70202 75128 23065 02179
47041 29205 94508 21503 24123 26764 69126 59090 86388 69011
31353 07088 20371 57243 05798 54244 73308 20102 72962 64471
46765 50442 97285 35821 85271 17284 30680 36906 52175 13805
96236 44195 09884 27306 81801 28634 46686 42085 98099 65008
17352 11160 81092 62508 89678 57775 43274 39915 14192 92636
03564 93857 59169 57792 50514 33574 78191 33131 18496 80608
02394 66399 81569 56892 74617 12698 94710 09643 67642 94389
37091 46511 53683 17353 37097 79425 17350 04518 83772 00558
29251 32631 54380 38864 22427 83175 12755 70627 38802 43389
58151 82431 37848 18322 29269 10033 84639 39861 93135 01529
59489 83667 73541 78295 56356 29963 98717 92104 62209 29099
72934 01883 34538 57848 01716 18521 19191 77359 25352 91205
75733 28709 40405 33674 02522 26983 13883 13860 78658 39837
19788 55355 65036 61467 52701 24116 31657 17923 98121 98873
03396 64708 64215 48662 41418 62610 04691 65922 02427 42678
87465 28599 42929 96306 88828 89692 60709 51355 17772 17677
90693 20233 00193 36244 97406 30903 77635 36794 31186 76727
00287 62122 40360 46101 18882 84733 56568 17805 05235 28222
95415 33024 56064 05158 39645 79958 59806 69909 97015 51972
31110 09851 50080 65213 42687 23385 40036 46648 09220 58212
51854 28435 03002 08303 92864 09592 06013 92992 81977 70880
28093 66640 91746 53854 45931 65215 00000

11474/9234/7461 kHz, 25-06, 0700/0715/0730 UTC

File 44466 (binary contents)

10762/8191/6782 kHz, 25-06, 1200/1215/1230 UTC

File 44466 (binary contents)

11474/9234/7461 kHz, 26-06, 0700/0710/0720 UTC

10762/8191/6782 kHz, 26-06, 1200/1210/1220 UTC

11166 70202 35698 25067 01019
89008 41870 85464 06950 92198 33969 77401 77250 63869 28605

09251 16067 86977 45035 74638 53234 94166 38823 88174 20756
15262 83106 10541 72019 42068 36289 05713 61640 96375 25854
78745 28151 12131 02964 67565 46705 67713 47563 87200 43986
29229 28649 49895 92514 90798 49405 09534 26533 22736 31891
03824 46666 63587 20961 92669 05533 16952 12122 16173 91506
39021 32993 20699 52802 27786 33067 26454 29091 49833 61470
34992 82812 65683 37385 00113 47391 39601 42843 10568 34528
44808 92569 58023 67762 00056 60563 88712 34495 98469 68101
62224 73649 14631 62860 65845 41173 00805 43838 57918 67099
00000

11166 70202 04715 25068 02279
30693 54904 79782 79662 63362 62667 84731 55304 97121 14586
86793 12229 86223 39421 92244 69206 36402 00281 63870 51357
04300 10534 94266 25456 17703 53724 99174 35321 96267 05928
23017 98244 77409 83989 73822 48397 77069 68076 29743 38137
40022 71983 84335 33172 59429 59630 22800 62501 70309 31187
46363 09089 46630 27274 86992 52185 56698 24649 79633 97259
56536 21852 84153 54453 25933 38223 74172 51518 76865 74732
34988 92159 88963 10070 37759 95723 51716 30423 82153 79178
18102 16388 24638 67312 99335 35439 34599 42090 55414 13413
45483 67110 61148 83423 93148 48101 52374 35661 58604 15381
82025 16509 57339 39232 40759 50413 42411 14130 21812 82939
13505 72742 34797 68466 49123 15667 98097 50935 04116 67813
64570 11119 39729 97399 60239 78811 78359 58473 40657 33417
00202 42900 94637 41343 23982 52782 50034 03647 38955 29200
61259 12383 80368 98258 83225 39071 65556 20348 61408 03732
32883 53561 92699 97928 50689 67217 36755 60251 88455 66415
82516 27673 67360 13559 99599 11234 32413 57796 29229 69464
13364 08303 94408 78017 66568 12355 34029 18913 14992 24119
90575 37858 28556 75103 06148 43069 11994 82214 06455 44038
92419 54338 77501 53670 23789 83397 64626 02244 50443 30824
48594 36625 96924 45373 78427 03172 76243 73222 65661 37765
33794 46302 69718 11408 69100 59771 29072 04830 02586 74606
17911 10532 79544 06214 32973 68225 00000

11474/9234/7461 kHz, 27-06, 0700/0710/0720 UTC

No transmissions

11474/9234/7461 kHz, 30-06, 0700/0715/0730 UTC File 44469 (binary contents)

10762/8191/6782 kHz, 30-06, 1200/1215/1230 UTC File 44469 (binary contents)

Link 80214

16351/12109/10169 kHz, 05-06, 1330/1340/1350 UTC

11166 80214 82691 04055 00049 00000 00000 00000 00000

16351/12109/10169 kHz, 12-06, 1330/1340/1350 UTC

11166 80214 35487 12094 00049 00000 00000 00000 00000

16351/12109/10169 kHz, 19-06, 1330/1340/1350 UTC

11166 80214 36519 18062 00049 00000 00000 00000 00000

16351/12109/10169 kHz, 26-06, 1330/1340/1350 UTC

11166 80214 65478 26001 00049 00000 00000 00000 00000

F06a

12215/14385/16387 kHz, 05-06, 0600/0615/0630 UTC File 14445 (binary contents)

12215/14385/16387 kHz, 11-06/12-06, 0600/0615/0630 UTC File 44946 (binary contents)

12215/14385/16387 kHz, 18-06/19-06, 0600/0615/0630 UTC File 42447 (binary contents)

12215/14385/16387 kHz, 25-06/26-06, 0600/0615/0630 UTC File 74448 (binary contents)

9061/11490/12061 kHz, 07-06, 0300/0315/0330 UTC
24356/20509/19175 kHz, 07-06, 1600/1615/1630 UTC
9061/11490/12061 kHz, 14-06, 0300/0315/0330 UTC
24356/20509/19175 kHz, 14-06, 1600/1615/1630 UTC
9061/11490/12061 kHz, 21-06, 0300/0315/0330 UTC
24356/20509/19175 kHz, 21-06, 1600/1615/1630 UTC
9061/11490/12061 kHz, 28-06, 0300/0315/0330 UTC
24356/20509/19175 kHz, 28-06, 1600/1615/1630 UTC

16177/14848/13376 kHz, 27-06, 1900/1915/1930 UTC
12214/11153/10332 kHz, 28-06, 0600/0615/0630 UTC

16336 kHz, 03-06/05-06/10-06/12-06/17-06/19-06/24-06/26-06. 2000 UTC
15886 kHz, 03-06/05-06/10-06/12-06/17-06/19-06/24-06/26-06. 2010 UTC
14918 kHz, 03-06/05-06/10-06/12-06/17-06/19-06/24-06/26-06. 2020 UTC
14483 kHz, 03-06/05-06/10-06/12-06/17-06/19-06/24-06/26-06. 2030 UTC
13901 kHz, 03-06/05-06/10-06/12-06/17-06/19-06/24-06/26-06. 2040 UTC
13389 kHz, 03-06/05-06/10-06/12-06/17-06/19-06/24-06/26-06. 2050 UTC

16156 kHz, 12-06, 1256 UTC, FSK 50/500 UAL: MFA Moscow wkg UAG: Russian embassy Havana
18726 kHz, 12-06, 1300 UTC, FSK 50/500 UAG: Russian embassy Havana wkg UAL: MFA Moscow

[illegible]

Russian intel. Opchat OK SL K. BK QRV RPT K RPT K
RAZ2: Russian PTP link 290751 wkg RWB5
REA9: Russian PTP link 15940 wkg RPD2
RYF2: Russian PTP link 219741 wkg RWI. RWI DE RYF2 OK ZOR OK ZNN GB 73 SK
RWI: Russian PTP link 121747 wkg RYF2. VVV RYF2 RYF2 RYF2 DE RWI RWI QRK 0 ZOR
RWB3: Russian PTP link 350741 wkg RCQ4. RVQ4 de RWB3 QRK?
RVQ4: Russian PTP link 121745 wkg RWB3
REA: Russian PTP link 121748 wkg RNM2; RNM2 RNM2 RNM2 DE REA REA QRK 0 ZOR
GD 121748

PG67: Russian intel wkg F8PW. Header 309 100 18 0755 8634
RWB5: Russian PTP link 350751 wkg RAZ2. RAZ2 de RWB5 QRK? QRU? followed by a message

RTK6: Russian PTP link 121746

RVM: Russian PTP link 121752, readability check with UIA7. 3rd shift Cyrillic.
121752
ЖЖЖ УИА7 ДЕ РВМ ЩРКО
НВ НР1 405 23.06.2025 =
В ЧАШАХ ЮГА ЖИЛ ЦИТРУС. ДА НО ФАЛЫШИВЫЙ ЭКЗЕМПЛЯР

В ЧАЩАХ ЮГА ЖИЛ ЦИТРУС, ДА НО ФАЛЬШИВЫЙ ЭКЗЕМПЛЯР
 В ЧАЩАХ ЮГА ЖИЛ ЦИТРУС, ДА НО ФАЛЬШИВЫЙ ЭКЗЕМПЛЯР
 ПРОВЕРКА СВЯЗИ. ПРОВЕРКА СВЯЗИ.
 ПРОВЕРКА СВЯЗИ. ПРОВЕРКА СВЯЗИ
 11111 22222 33333 44444 55555 66666 77777 88888 99999 00000
 11111 22222 33333 44444 55555 66666 77777 88888 99999 00000
 11111 22222 33333 44444 55555 66666 77777 88888 99999 00000
 = АР РПТ АЛ ЩРК? К
 121752 121752 121752
 VVV UIA7 DE RVM ЩРКО
 ZBR К
 121752 К

Or in Latin writing:

121752
 ZhZhZh UIA7 DE RVM ShchRK0
 NV NR1 405 23.06.2025 =
 V ChAShchAKh YuGA ZhIL TsITRUS, DA NO FAL'ShIVYI EKZEMPLYAR
 V ChAShchAKh YuGA ZhIL TsITRUS, DA NO FAL'ShIVYI EKZEMPLYAR
 V ChAShchAKh YuGA ZhIL TsITRUS, DA NO FAL'ShIVYI EKZEMPLYAR
 PROVERKA SVYAZI. PROVERKA SVYAZI.
 PROVERKA SVYAZI. PROVERKA SVYAZI
 11111 22222 33333 44444 55555 66666 77777 88888 99999 00000
 11111 22222 33333 44444 55555 66666 77777 88888 99999 00000
 11111 22222 33333 44444 55555 66666 77777 88888 99999 00000 =
 AR RPT AL ShchRK? K
 121752 121752 121752
 VVV UIA7 DE RVM ShchRK0
 ZBR К
 121752 К

English translation:

121752
 ZhZhZh UIA7 DE RVM ShchRK0
 NV NR1 405 23.06.2025 =
 IN THE THICKET OF THE SOUTH LIVED A CITRUS, BUT A FAKE ONE
 IN THE THICKET OF THE SOUTH LIVED A CITRUS, BUT A FAKE ONE
 IN THE THICKET OF THE SOUTH LIVED A CITRUS, BUT A FAKE ONE
 COMMUNICATION CHECK. COMMUNICATION CHECK.
 COMMUNICATION CHECK. COMMUNICATION CHECK.
 11111 22222 33333 44444 55555 66666 77777 88888 99999 00000
 11111 22222 33333 44444 55555 66666 77777 88888 99999 00000
 11111 22222 33333 44444 55555 66666 77777 88888 99999 00000 =
 AR RPT AL ShchRK? K
 121752 121752 121752
 VVV UIA7 DE RVM ShchRK0
 ZBR К
 121752 К

Note by TJ:

The phrase in the “original” citrus test tape uses all the letters in the Russian alphabet except “ё”.

Original test tape: “В ЧАЩАХ ЮГА ЖИЛ БЫ ЦИТРУС, ДА НО ФАЛЬШИВЫЙ ЭКЗЕМПЛЯРЪ”

(translated as; “In the thickets of the south there would live a citrus tree, but it would be a fake one.”

The PtP test tape do not use Ё / ё and Ъ / ъ.

Point to Point test tape: В ЧАЩАХ ЮГА ЖИЛ ЦИТРУС, ДА НО ФАЛЬШИВЫЙ ЭКЗЕМПЛЯР.

11470 kHz, 23-06, 0620 UTC, FSK 50/500 RGY2: Russian PTP link 380741, readability check with RTK2 on 17475 kHz
 VVV RTK2 RTK2 RTK2 DE RGY2 RGY2 QRK4 QRK?
 VVV RTK2 DE RGY2 ZNN GB 73 SK

17475.9 kHz, 23-06, 0847 UTC, FSK 50/500 RTK2: Russian PTP link 121742, readability check with RGY2 on 11470 kHz. Ended with
 121742 RGY2 DE RTK2 QRK? 121742 121742 121742

[illegible]

9224 kHz, 01-06/04-06/08-06/11-06/15-06/18-06/22-06/25-06/29-06, 1400 UTC
8124 kHz, 01-06/04-06/08-06/11-06/15-06/18-06/22-06/25-06/29-06, 1420 UTC
7589 kHz, 01-06/04-06/08-06/11-06/15-06/18-06/22-06/25-06/29-06, 1420 UTC
6854 kHz, 01-06/04-06/08-06/11-06/15-06/18-06/22-06/25-06/29-06, 1430 UTC
5829 kHz, 01-06/04-06/08-06/11-06/15-06/18-06/22-06/25-06/29-06, 1440 UTC
5284 kHz, 01-06/04-06/08-06/11-06/15-06/18-06/22-06/25-06/29-06, 1450 UTC

5RS5 5RS5 5RSR DE BYWE BYWE BYWE
5RS5 5RS5 5RSR DE BYWE BYWE BYWE
5RS5 5RS5 5RSR DE BYWE BYWE BYWE
XXYXXYXXY HR MSG GA
1540 800 24 0626 1655
1G9M--MA1F
5870 2138 0132 4597 3780 4617 2417 8134 9568 6380
6319 8497 6751 5901 2340 0132 6248 7289 5076 4835
6073 4128 6579 3108 6925 0712 5892 4671 4830 4395
0753 1296 4319 3894 5067 7061 4597 9832 1536 2840
7295 7308 4956 4369 1340 4102 2065 1683 7298 5178
8679 9503 6578 1360 0479 8524 1423 3501 1726 4829

U0RJ U0RJ U0RJ DE B6RP B6RP B6
U0RJ U0RJ DE B6RP B6RP B6RP
U0RJ U0RJ U0RJ DE B6RP B6RP B6RP
XXYYXXYY OK BOZ NIL SK /
-X
U0RJ U0RJ U0RJ DE B6RP B6RP B6
U0RJ U0RJ DE B6RP B6RP B6RP
U0RJ U0RJ U0RJ DE B6RP B6RP B6RP
XXYYXXYY OK BOZ NIL SK /

511 511 511 1 511 511 511 1 511 511 1511 1
00937 00163 52581 34077 71155 02974 77401 98506 16514 89141
05977 86766 14722 65785 49377 15162 02024 08598 61116 39823
91099 53428 65420 68863 63370 21390 27865 97200 74377 02443
95589 73983 82444 12522 31421 69641 82768 92774 20949 65577
08233 60792 24500 91666 49604 23471 10899 35724 12333 77512
12996 27179 78911 95382 73537 52183 43814 65083 30020 01133
14570 75116 10495 42978 89712 79909 83741 17219 00630 25906
51805 76639 66314 81641 77519 06988 01472 55664 62095 60050
09532 29592 68923 38311 20638 61309 88375 46748 20832 03486
57348 54416 13417 70419 95850 98739 26791 89811 88809 89011
97574 86980 06107 20341 21817 87056 99518 61755 65088 41567
89365 81245 71975 40428 42569 99326 01151 42753 59846 30143

57054 39558 67084 28908 34036 72741 88089 96854 09803 32075
71961 60565 28795 61948 79420 82944 48311 34566 23065 22640
54700 29018 00877 56648 71819 13494 64323 28447 54561 02172
98186 17353 00109 74635 86050 55891 81831 04634 52848 10301
77271 79826 07916 11677 60575 65305

13545/12145/11145 kHz, 18-06/20-06/25-06/27-06, 1210/1230/1250 UTC

511 511 511 1 511 511 511 1 511 511 1511 1
03367 00099 16174 72753 97333 76133 06655 06797 89082 18248
53202 57183 08884 33402 23629 16930 83646 15745 92228 11853
51884 83385 51744 71040 71546 40259 05783 44113 61724 08727
64512 50863 52012 67422 07087 81573 84064 99408 75542 98080
96634 35665 38942 46064 43994 66487 99773 74577 97181 20875
63154 21056 56726 54158 01460 84621 95489 79782 40776 50384
39094 94765 15688 09630 16798 82427 86563 72975 95623 56110
56958 49823 72009 39285 65499 91675 97412 11608 05612 99490
51253 91891 00714 50532 99115 96411 25344 43822 60234 80199
35746 95521 01922 01435 63758 19748 04071 27777 04346 60140
62449 16734

XPA2

12148/13448/13948 kHz, 0700/0720/0740 UTC

12148/13448/13948 kHz, 02-06, 0700/0720/0740 UTC

07640 00001 00000 34263

12148/13448/13948 kHz, 04-06, 0700/0720/0740 UTC

03357 00001 00000 36260

12148/13448/13948 kHz, 09-06, 0700/0720/0740 UTC

05046 00001 00000 34261

12148/13448/13948 kHz, 11-06, 0700/0720/0740 UTC

03162 00001 00000 22661

12148/13448/13948 kHz, 16-06/18-06/23-06/25-06, 0700/0720/0740 UTC

00812 00308 50948 49075 70411 20289 00751 98076 39484 66171
90850 69824 22811 70056 54577 21940 83655 80978 24836 10948
85690 06293 81483 15332 09361 15601 64070 60965 76552 39375
37713 37554 50219 92355 06083 19996 11968 91409 28457 73203
38284 61114 34206 36297 00641 27649 45063 90507 09127 88740
20137 31133 41387 63352 32526 27502 84992 40470 36305 28620
06766 49423 32249 90967 19084 99566 68686 10269 96602 95219
74187 28378 63613 09729 32851 65832 64057 47813 61333 00531
32816 08233 31647 87008 15741 01408 48129 55881 51416 36019
63658 64243 81116 10050 19000 46993 87294 57463 96353 89249
10860 76546 83035 37729 69643 59319 45306 95433 37113 78187
03939 62003 18024 33711 81034 39798 12780 72322 83250 76874
57048 75959 32445 50015 55066 90957 23313 12033 40393 56053
17799 99165 37671 38827 44380 87045 52784 22006 92026 16359
47895 38076 79021 06052 27249 42430 77389 84362 48091 07645
50701 79863 54047 59635 07352 39386 43773 12701 27023 95567
40849 66461 45474 08199 62384 80376 93875 06147 57556 64605
25487 18725 71462 81291 09680 77306 93489 44020 39112 71416
10176 87727 05442 33598 51102 00456 03179 21265 21386 94341
74891 67395 78747 31077 37273 74010 31709 03071 37724 38025
46351 52163 05582 04383 35946 03073 98024 22209 59177 97369
94870 24727 12237 80399 94183 23050 07746 28120 11027 79173
62339 71615 00236 51246 03760 92463 57339 83421 89305 21850
10582 91922 08161 46196 07481 62612 15556 38515 77739 41952
73373 48850 45113 91163 92199 02289 65212 41914 16100 75128

29332 26470 21205 84688 17513 38330 33017 53181 13433 92271
14435 93903 81585 95178 66546 98019 88055 65383 86190 61651
21175 16813 45245 28373 69653 41878 47319 09771 44800 53477
41037 20212 48746 53098 44627 50935 94924 66827 42556 55901
42687 95697 44521 49824 60410 70139 95486 38844 35542 18026
79221 52875 89842 64237 56006 71594 63372 79231 19707 27848
45516

12148/13448/13948 kHz, 30-06, 0700/0720/0740 UTC

01512 00630 72188 20643 12529 22335 78305 55084 11026 51802
30075 79053 43818 86576 52244 99508 16401 87478 62325 24845
20985 50400 87724 84014 15096 88248 44750 25662 16748 65749
64492 32176 96461 06760 45626 37622 12348 29152 93845 31937
76712 64309 15599 07411 65547 40537 47621 52125 86836 95346
06962 74741 12135 51056 51678 07683 64138 41201 25549 05707
94008 74079 01189 30236 91309 07824 65527 17798 61357 43806
06454 33713 88466 92869 62093 78204 54453 66707 11295 32915
53242 03150 31038 97986 05982 30900 03287 33766 06785 01117
70448 40887 04909 84310 60541 02113 87506 32154 55219 40239
79654 47504 80018 84357 20090 72404 76290 34020 25226 72689
13779 62102 91575 34248 20844 02363 23868 90015 98066 46382
47301 13257 50912 77479 74330 85260 36478 41803 20413 78596
55153 21921 41126 38239 03786 11089 35377 47293 24763 33767
62198 01647 89738 79261 24902 35913 80526 66207 17990 46442
74007 90714 39994 46987 49751 75878 36485 56309 13000 57018
96090 85171 72935 68391 96459 64297 00654 91752 66791 50203
38576 50858 01574 91855 37653 89851 60823 65713 85831 31252
93890 01608 42345 43382 72335 93861 18599 66036 98865 29397
61430 82129 82222 57106 83382 79595 50528 02799 88290 02966
92397 27891 99501 79080 87603 46441 67991 19196 78849 38566
28889 94798 12156 16021 14776 20781 63597 28835 05890 06915
71249 40150 63676 31786 82511 86629 13753 45321 61260 19175
12133 85328 18785 02791 39211 34106 06992 36172 46162 25599
23671 97611 05453 17207 42684 32713 74539 72824 58623 92307
02399 02474 49340 61028 75740 58284 94679 76340 03048 86732
72301 75953 10634 02991 99116 08873 17744 21004 67949 32984
36863 18372 90748 38028 49208 31477 51808 52055 78798 08387
27970 02582 32043 00871 33843 22433 17036 60715 98076 58050
54148 35893 96123 64493 19323 67062 52887 12577 16145 26477
08115 99440 34467 89154 09967 33060 58166 71006 95016 85528
47477 44595 41508 72621 37752 09624 78064 71341 99435 27090
48545 02594 00302 70973 16852 95974 97156 13856 35486 93848
57947 51990 37548 29361 91814 57168 67960 80140 23967 63275
54910 34472 80556 48284 96390 47240 12189 69847 04318 93074
52149 13004 64056 90201 18086 64354 71512 88905 96252 78681
72119 73403 30665 06987 63610 65910 68193 85420 70665 48060
92255 63823 68432 22410 01143 41732 74559 57260 65101 28092
72345 94316 79868 36629 50677 64195 71198 56104 90558 30423
50627 83713 94638 04672 04999 09466 82636 39058 95521 75109
61028 45923 07976 39961 67337 55301 17806 60762 73387 64504
68191 44745 32147 37236 75865 21380 64630 09293 90455 46390
37872 48151 86891 70615 20316 10083 39255 36775 94704 23660
81054 99151 27206 13710 89661 55659 17793 03241 10751 22113
90426 35124 84715 53777 78712 50581 63012 93594 80446 05621
33313 40396 96409 34610 87072 31231 42851 96119 83275 69661
35801 17748 13646 92704 39546 56577 51669 62267 29105 45543
20191 33753 25120 88317 07176 13490 53210 23102 53345 03436
03486 87267 15956 51547 45437 73196 77939 38755 26384 37127
14035 19119 26390 30399 68221 40602 63822 28002 26614 20816
67178 88156 23571 88362 62142 02756 96792 42378 29380 86449
68136 32081 41042 92497 62475 82554 90386 79325 68703 90266
55612 57417 44744 90835 43391 81360 14277 06029 24748 29243
95449 03647 61662 36688 30060 15429 71657 90381 40929 44560

36888 77677 01158 54262 11724 76779 61188 23778 00886 32884
85517 22070 85413 12789 95471 98849 59316 92001 77869 32410
71500 09651 84984 30098 91273 13830 85324 97911 40608 21531
41067 00198 89854 36369 50282 62741 69593 89230 81277 86031
79991 17892 29278 53763 58701 25580 79886 95414 26765 86079
38056 41304 66530 13095 05720 60824 98423 81330 77752 26825
48572 58996 87241 53174 97695 35299 74999 65123 33608 12210
94038 30846 14875 49261 30531 64541 66352 98145 23366 34285
20487 94146 20834 27522 81646 68514 39908 63931 25986 25621
56746 16003 70111

17474/16247/14574 kHz, 1800/1820/1840 UTC

17474/16247/14574 kHz, 04-06/06-06, 1800/1820/1840 UTC

04109 00296 27753 34955 17572 43727 66847 55906 08341 02371
57892 88005 57678 86919 66993 42563 57464 42075 81013 77412
26690 42706 93401 08600 11790 93170 54641 83381 44905 01644
76438 93342 18330 97096 14792 60353 74108 20994 85483 13718
02288 04619 88250 64897 65665 19666 73890 94375 62385 41113
13610 78181 60097 79234 56448 74314 37264 96364 26389 36332
67077 58668 65721 09860 34351 22535 26943 35526 54093 61030
82041 49703 15466 98278 56061 89509 41462 33031 04624 77990
54724 73886 11428 73353 86589 27791 02789 59783 55630 44708
87238 75819 25576 53468 46115 36857 17346 42767 67188 44355
83777 76389 07221 92320 98242 67129 11839 90826 40124 95765
12788 61808 65365 38786 98601 05872 12272 99474 74722 41262
75539 92580 39598 54598 90073 27750 35799 35540 63757 46727
80501 21266 78393 37679 47175 29255 31440 50483 72684 87462
29039 91909 66314 63021 85142 61402 32861 21669 02277 94247
52585 16529 19344 30519 88597 48609 39163 47339 99670 78056
12585 50859 44935 93004 59079 40308 01265 01503 09122 78380
83314 23578 94859 11956 87345 37848 15264 61547 65058 30804
24996 54429 77852 11551 12582 11588 48111 64263 51322 64582
55452 15981 71526 41477 95954 55907 76763 34372 74612 29171
07036 28670 76605 08244 21860 26237 21407 51383 73161 20597
18137 52670 23968 99306 88540 48764 55637 21525 00785 61408
92125 77694 81461 51482 84933 36248 79853 90337 58418 05457
38112 07084 92484 78046 11219 60812 79740 98330 32045 66029
70834 24805 11728 39226 30069 90176 75150 74007 84271 33037
57935 87162 62546 17988 19572 29242 96796 74034 94758 20169
02040 92872 69259 30789 71527 36427 62930 83208 96732 51071
21856 93109 97050 66761 94966 24641 21136 76735 53347 60097
19458 19403 76292 63999 78630 42443 58963 09245 93845 35350
20686 87739 44266 53355 01022 89339 68960 31905 13760

17474/16247/14574 kHz, 11-06/13-06, 1800/1820/1840 UTC

08152 00098 93377 57849 04757 64409 22543 61933 43701 67615
38508 70736 56352 65492 07789 04319 82725 79312 23810 87802
94534 37964 30658 10950 40489 03659 04107 54076 67114 53987
52195 65221 36511 87140 28539 91221 36081 29561 35118 05231
45919 91569 30731 09733 34214 00792 03795 37432 49002 39250
03019 13453 51757 77185 03653 09312 48841 23848 38519 78224
45577 91294 61880 00304 88494 85997 49295 52775 33598 49775
59139 19728 09722 45540 04421 60624 46287 95568 44510 88817
65567 94896 95685 18818 43597 86165 50558 66564 03406 75210
64281 28679 01551 35515 08358 50715 17532 53230 92214 75725
50211

17474/16247/14574 kHz, 18-06/20-06, 1800/1820/1840 UTC

00817 00303 47663 20231 31848 54359 66022 01079 64218 71195
83628 46010 86958 61125 37220 70115 45815 46644 25535 03569
15480 12850 76833 48379 56026 92847 46747 27391 35922 36814
97438 43922 05782 08720 10047 46129 67780 83105 98636 14557

47020 76806 74455 84158 70725 56483 27207 18717 01774 06069
80848 98546 52778 10705 77194 94783 66164 91241 85829 77799
03448 53961 97039 70479 82577 06341 84634 81576 36473 84095
67305 70540 31701 09497 47571 37961 04230 94372 41598 62813
61572 23516 09982 82026 90000 13920 48726 49510 89249 49256
59659 36607 55161 60428 18621 74844 21741 42218 12935 93866
37919 10765 10569 22593 05440 75248 56426 68746 05184 83944
07282 69763 82382 89541 04063 62010 50605 74150 06331 90892
03675 26328 62015 60229 41834 79949 25942 85681 95050 25636
50279 21117 28153 21459 76492 60380 79496 73053 76075 51146
10120 14556 16343 17745 80927 24754 89717 41888 49090 96819
52857 83559 48564 68959 64949 61161 48452 49344 72215 68690
76258 75938 58660 73854 82879 23149 82589 70302 25188 49951
67797 46506 27228 29593 84998 09177 91846 22693 20604 87843
96439 01968 41288 40475 70707 27304 89609 70076 75381 51459
14707 18920 82464 14132 97644 27947 77353 13742 09106 26975
68523 25453 51918 11173 07965 43923 50763 02290 78237 29073
12694 55443 99968 89177 92613 75790 89614 57586 03882 57884
28989 90709 45574 82581 58930 57384 76538 86246 36307 69007
39474 30700 71247 27550 05808 81817 16374 80807 32407 99416
62004 74845 72786 73497 15813 29429 24341 11357 17608 43890
60509 97808 45908 37715 66050 87476 42734 64105 54257 58170
33986 69161 88199 65762 69064 97731 66514 48019 39272 88156
55083 88379 09231 86683 03263 49718 62930 61484 07279 11837
10950 09842 12558 04118 42979 55292 24270 54447 43382 95298
79288 01701 06325 27660 95902 54905 25618 95115 61241 98277
62057 36210 18160 88333 41294 41074

17474/16247/14574 kHz, 25-06/27-06, 1800/1820/1840 UTC

00338 00342 06880 68583 83770 39421 14214 24264 60787 59244
33887 34216 97006 95202 11195 53151 32169 47653 61412 93122
98531 97225 27092 92966 22838 29518 42038 91109 21886 67573
37474 52351 88298 36832 51018 41493 58537 15760 93165 19297
28146 65311 56896 86903 49530 77486 73134 39520 95343 20039
19077 31865 06399 29247 41577 33446 38253 00714 24827 42076
65497 22377 86581 73045 05786 34875 35367 73593 88729 33240
59039 57197 17546 03716 00426 65448 79204 38268 64666 97442
40714 60174 91269 82906 79231 63775 62898 41147 56478 04141
19878 62087 46506 59026 04105 58585 08033 97820 38145 40125
14791 43574 86759 33966 77805 47533 01175 15765 76645 51232
66220 21912 79620 52462 07704 35163 94334 06627 00009 68750
11950 83252 57681 92452 60058 51023 66751 95556 43319 65752
91317 17878 17457 78596 01092 69226 37104 95059 23889 17267
92717 85746 48086 28495 54791 67164 03223 55030 48500 80858
84621 93949 60053 51776 84735 46527 24128 48390 63093 35014
53486 53073 00383 33919 61678 94973 29149 83584 09134 65816
98680 40165 62076 44119 95901 83438 69139 64950 59579 30292
96294 98978 30118 31605 87443 39072 26358 95400 67273 41940
44708 29972 33584 83861 64815 52052 98551 83955 77305 12854
58930 62408 78565 54256 60762 65488 14232 07361 20741 96563
32792 37611 87737 70468 54701 82651 60784 30382 75596 99760
73620 39270 33525 01957 91781 03223 84147 46901 08168 27969
85920 20510 83952 47823 44917 68122 12635 35124 76517 33013
06249 57586 65877 68349 03107 49292 86692 65258 08130 65838
40482 29935 26333 36729 86048 85469 86976 89891 83459 58750
73775 14417 72601 13445 38157 16708 03800 50418 63109 73259
64893 97919 53330 66115 04857 91450 34776 94537 41277 64513
40944 16352 60970 91835 04557 03004 87590 39424 73499 32595
27294 22783 68859 06155 26685 62026 93304 07964 06609 50698
54923 73933 45239 17839 09676 26493 54397 79962 71231 04068
25033 57728 98614 55513 68498 56051 12904 58454 04435 66681
90856 27838 69091 65368 25520 50556 99338 48602 60596 27737
90788 43945 28090 68227 11884 48772 63868 61576 07365 51268

15982/14982/13882 kHz, 1100/1120/1140 UTC

15982/14982/13882 kHz, 04-06/05-06/11-06/12-06, 1100/1120/1140 UTC

05704 00102 87636 84105 96214 84685 98160 64890 25785 58197
 10502 40976 84711 82934 75333 29779 20510 19071 70154 87812
 73894 39624 20749 98316 38646 17068 99139 94301 56846 94317
 71418 21611 30877 23396 40044 62380 85675 07525 63134 10250
 67640 09712 50107 66896 98731 30170 60594 40085 40780 14787
 47551 34384 78472 45729 28206 04666 66946 57493 73635 65136
 95975 36935 20072 69356 69017 01814 89889 02447 96376 31837
 57995 23163 73163 40693 18744 87533 03994 70298 65438 17860
 93048 65484 82117 85189 20078 10816 51222 96375 58582 82864
 93807 04119 65103 11297 03485 62943 17424 59660 54693 78501
 87261 24036 26241 95390 33552

15982/14982/13882 kHz, 18-06, 1100/1120/1140 UTC

07867 00001 00000 40665

15982/14982/13882 kHz, 19-06, 1100/1120/1140 UTC

05721 00001 00000 35257

15982/14982/13882 kHz, 25-06/26-06, 1100/1120/1140 UTC

04449 00078 69892 99767 56376 97863 82816 22011 42318 91987
 24233 77139 16840 67965 27412 45256 98282 38135 96594 36127
 46769 43173 87316 89171 63971 57835 43754 03067 47444 16188
 33277 95806 38318 11723 57156 03321 93692 54507 85052 49873
 04987 93072 59597 38900 25850 60370 42429 08372 14441 03049
 26747 46818 35521 13282 73181 24727 12743 00954 59181 47491
 67615 20404 80919 87886 37613 17631 71273 97536 36994 09621
 20839 93428 14232 27295 38253 64715 90933 95821 94004 04056
 35050

15982/14982/13882 kHz, 30-06, 1100/1120/1140 UTC

09870 00164 56981 71464 56032 95218 74568 59277 71590 26012
 74421 14312 53898 67375 12739 11275 82417 46540 49755 72232
 79628 98481 34678 81034 17047 23884 81307 58951 33269 06077
 78191 92034 30511 32995 71873 28134 39001 74544 62149 14337
 27890 25459 05446 34987 29741 82822 99243 30497 42444 90559
 29761 96794 50260 54247 35104 95329 26920 13817 35590 63299
 07200 72947 51390 04520 45053 87743 35210 43766 85054 96251
 71988 10339 60238 26860 66973 29804 56961 87862 84698 26517
 46524 28800 82668 71608 12797 55608 83726 56825 87734 03169
 80633 61375 44786 64211 60344 83023 02137 59651 43338 93022
 89657 75588 15385 11933 71266 09205 06890 58397 38015 53649
 13640 56068 39662 75896 61577 11369 39649 38064 84072 68424
 98020 13737 29490 47029 01979 31659 99551 38930 84178 61691
 54413 33234 07555 58909 07856 20919 86511 98557 50047 19086
 43797 12629 64958 78615 81272 12352 84815 38620 01366 74640
 51686 45392 00327 27228 10286 27706 54846 91658 15874 24009
 34006 59730 00398 78512 94954 58032 54631

15874/14474/13374 kHz, 1100/1120/1140 UTC

15874/14474/13374 kHz, 06-06, 1100/1120/1140 UTC

02843 00001 00000 10140

15874/14474/13374 kHz, 06-06, 1100/1120/1140 UTC

06237 00001 00000 10140

15874/14474/13374 kHz, 10-06, 1100/1120/1140 UTC

08749 00183 33260 22179 50823 13660 55341 25454 81634 67216
93820 86240 07853 00989 52067 47113 67181 37785 52908 28767
28947 79479 99512 09176 45717 66331 27237 49462 19307 97967
65391 67590 89379 55841 17389 67402 18562 94170 49853 96771
68272 44290 71392 45755 53039 98553 03234 57307 99640 02208
64299 79973 03515 08867 58467 09453 50244 32900 14061 58813
68649 30101 89192 37706 74789 27204 82654 47789 03463 14309
78839 63871 17183 10391 25044 07451 03819 20971 83380 61676
23086 57221 47310 00817 95173 76838 95158 87043 35724 98267
44416 86178 36980 68538 69418 45807 49016 59910 94362 38323
43499 55922 09054 90437 23656 55034 53911 91860 27415 58479
85399 20812 18307 42821 40065 29028 51312 40663 38765 73969
84881 08692 46459 29041 47085 20355 91944 21161 71775 78722
92833 24519 63220 21667 12583 57608 53483 87012 73958 71663
60338 65797 39441 04930 86225 26540 69435 28403 89287 64621
16899 96979 26208 89510 60855 18665 01827 50165 66268 45944
54022 12506 82082 15550 24029 74207 05798 48007 89782 77476
21423 07631 46252 17248 32744 58843 24710 64377 43212 84053
64166 16599 67855 38795 22481 63462

15874/14474/13374 kHz, 10-06/13-06/17-06/20-06, 1100/1120/1140 UTC

08749 00183 33260 22179 50823 13660 55341 25454 81634 67216
93820 86240 07853 00989 52067 47113 67181 37785 52908 28767
28947 79479 99512 09176 45717 66331 27237 49462 19307 97967
65391 67590 89379 55841 17389 67402 18562 94170 49853 96771
68272 44290 71392 45755 53039 98553 03234 57307 99640 02208
64299 79973 03515 08867 58467 09453 50244 32900 14061 58813
68649 30101 89192 37706 74789 27204 82654 47789 03463 14309
78839 63871 17183 10391 25044 07451 03819 20971 83380 61676
23086 57221 47310 00817 95173 76838 95158 87043 35724 98267
44416 86178 36980 68538 69418 45807 49016 59910 94362 38323
43499 55922 09054 90437 23656 55034 53911 91860 27415 58479
85399 20812 18307 42821 40065 29028 51312 40663 38765 73969
84881 08692 46459 29041 47085 20355 91944 21161 71775 78722
92833 24519 63220 21667 12583 57608 53483 87012 73958 71663
60338 65797 39441 04930 86225 26540 69435 28403 89287 64621
16899 96979 26208 89510 60855 18665 01827 50165 66268 45944
54022 12506 82082 15550 24029 74207 05798 48007 89782 77476
21423 07631 46252 17248 32744 58843 24710 64377 43212 84053
64166 16599 67855 38795 22481 63462

15874/14474/13374 kHz, 24-06, 1100/1120/1140 UTC

05059 00001 00000 10140

15874/14474/13374 kHz, 27-06, 1100/1120/1140 UTC

08606 00001 00000 10140

18182/17428/16321 kHz, 0900/0920/0940 UTC

18182/17428/16321 kHz, 05-06, 0900/0920/0940 UTC

06972 00001 00000 36665

18182/17428/16321 kHz, 07-06, 0900/0920/0940 UTC

03296 00001 00000 35264

18182/17428/16321 kHz, 12-06/14-06, 0900/0920/0940 UTC

00870 00490 88587 44031 61129 57991 04869 13906 08720 39608
68315 53361 23157 40448 82904 05517 69157 27923 38786 24484
95852 55766 12043 13700 77251 63060 54916 91581 85755 54177
61364 18495 23984 21919 38378 79889 32884 05592 62231 50244
81317 56323 30625 86843 52226 68895 55542 65344 58805 60921
94737 54532 36713 31778 62906 37357 86723 20314 03492 15536

67854 80389 99648 37354 94689 57805 09513 22301 11166 83506
35761 87340 02596 66375 75690 06053 71825 26865 81043 05045
67425 48345 33301 04320 83394 62741 25127 42553 88241 27748
56186 80676 01417 33694 03998 59306 60513 33367 40553 11574
93304 90923 01141 81990 75548 54692 55154 55727 88949 21328
90231 97578 64712 05348 48754 44715 51822 54984 03882 80673
07205 34227 88893 23828 39354 90231 78012 34850 69330 06751
52116 51483 36035 59716 11249 63690 03466 51282 02236 40021
25254 49269 89418 12774 62957 58631 54539 43687 77487 34811
46186 10883 20315 99919 37701 53866 74700 45503 96746 85708
91149 52478 89156 70664 75595 59318 78912 21467 23142 65403
24334 64675 23424 31839 07007 38345 49794 95391 80340 81285
54807 18271 92370 59264 54568 78775 40961 25972 85909 28199
73120 14787 07987 72756 06618 64420 35318 08854 24816 07146
45664 13573 39064 83593 71564 74385 84849 63707 91754 22373
92876 52387 95779 76556 02261 67160 10461 15544 95802 24864
48142 22384 50446 01012 67898 09692 30447 34746 26525 17703
47050 04029 64209 50018 93020 29511 86479 66064 20009 36222
40373 88890 11451 92723 36341 02101 39081 99753 63745 69360
50362 45009 82998 85827 24860 76949 94483 70350 00575 59640
00476 80419 28117 70045 54749 87248 68758 11291 69418 16168
24555 62203 33773 97103 61307 76309 41229 26408 26897 40831
92263 45738 31158 17285 87777 15237 71853 45071 34889 14202
89624 56428 02653 88160 15107 48001 44297 62074 87045 57761
81450 01556 81458 53109 53541 64423 05554 42201 21648 70280
47256 80864 28380 51144 57018 37844 44416 83628 11358 45808
72325 24985 85467 60071 62514 69099 01826 82762 62433 54158
78217 14132 91125 02105 85999 94883 69525 56967 97584 76395
21431 60483 14469 42631 98462 09797 75672 97858 65103 15740
12535 97103 30529 22308 27638 39807 36854 24400 61303 56926
95902 59997 62542 38093 80677 15937 24610 75669 20763 04589
36811 27344 11167 31591 21073 51477 07117 14052 63749 64291
97735 74422 99117 45539 80034 07895 51522 85474 34950 12272
76161 82296 81221 49197 49777 20212 46859 66396 85760 34118
66022 07605 23410 99678 58501 98236 67488 28083 17071 18252
33462 84075 68518 11975 80865 28771 92357 86123 46432 39447
46281 58302 58826 99148 89639 27560 31048 76337 17871 58014
57762 50581 05640 11714 34640 39339 46443 45593 38991 80015
15965 19349 45446 15496 87971 67419 66827 59532 41077 35279
45883 46819 44148 01123 29197 78528 08878 06130 83301 60020
63890 90768 67114 86567 66680 26038 16542 35790 68137 08725
40294 42450 18568 57150 68744 25277 57456 14992 18942 42742
24555 04550 57647 06005 80557 34604 23453 97825 56432 97609
45836 40036 14177

18182/17428/16321 kHz, 19-06/21-06, 0900/0920/0940 UTC

00806 00190 28372 83067 42905 95607 19951 67796 31841 46966
56899 92844 85377 05807 06846 46455 63717 40248 93715 31734
84203 21048 14873 38838 50490 35564 38535 44617 13039 07363
95926 38140 38065 47864 97491 80123 57025 35440 18688 26833
35737 30475 51067 26659 71469 84563 52823 56043 74868 32892
27875 74943 01455 66140 40842 15753 24582 23278 00580 35536
95423 93307 27399 03838 13900 33233 63722 46554 93625 32331
17698 48275 38208 67308 48000 24861 08647 97205 45616 01344
72755 79689 32844 31211 28953 30667 66747 58652 43692 90314
66379 80869 55185 12642 22644 20182 19621 46494 10487 99658
76484 10934 00553 06712 78772 75942 66078 39374 25848 77061
94780 96688 63363 07597 88603 36588 58666 83086 11302 38487
22880 84063 85027 29646 08723 18129 41841 09559 81468 77374
00646 50501 93535 62404 91806 31618 47870 56920 58156 18789
28420 12242 33903 70807 49191 68660 67102 35353 02981 41206
97771 21184 34761 35023 60607 67665 84654 05350 30406 85583
06018 10550 38066 46826 30637 31685 00418 53356 80611 07868

64003 84062 00378 32038 82580 30238 05823 01636 58333 07503
38623 80856 35902 63670 30838 30038 68303 60525 33023 31084
30801 08033 60260

18182/17428/16321 kHz, 26-06/28-06, 0900/0920/0940 UTC

02861 00140 91854 04884 99917 46054 05543 06157 18828 92102
82335 11866 14742 30123 80382 53726 81677 64888 77886 68002
99268 31318 40056 11113 51148 57222 07051 66288 88005 00293
88858 28426 63088 65288 62628 33641 63603 08811 21116 11558
11185 25069 20033 36434 88767 48581 90757 23823 76660 28680
84444 22126 57997 78877 34369 08171 50888 80273 47217 81441
20058 06178 84733 92728 33531 26366 27643 33515 47393 16779
55436 73552 65434 02385 30533 80885 94494 11233 77279 39276
42588 85004 18886 66142 12645 21366 47819 12225 00368 83333
93016 66850 71308 88556 63710 47617 24263 16443 11267 42391
59145 84705 66766 58811 78602 44199 65004 03831 11117 03166
36600 00873 76686 51085 38811 16221 13117 87816 23376 22708
12277 03401 73348 41215 56667 66753 24442 02616 55423 74587
04632 76248 20541 77723 77671 50100 06018 54336 90630 82305
62340 22411 40667

14892/13492/12192 kHz, 1500/1520/1540 UTC

14892/13492/12192 kHz, 02-06, 1500/1520/1540 UTC

02941 00126 09203 87132 83400 58471 06091 33711 38965 42963
36895 83066 60326 08598 68044 07095 02117 72752 69789 48365
73055 53232 85260 97236 90247 69066 48811 91407 49026 62560
63348 83187 08677 16302 56686 50688 49999 87133 76844 25852
14908 73973 95314 50928 74254 21202 50942 66325 67596 70785
57411 14128 66791 73220 68257 07457 06784 94820 68083 95952
11134 94091 29752 86883 39015 34210 12723 16149 40101 10530
76332 86775 50301 20521 15132 96006 31127 02755 15564 95844
08965 39514 85344 24481 79871 45774 20769 00887 54569 58245
35514 49480 58710 42841 71865 40202 74327 31454 17061 89720
95199 78381 35485 07001 79387 12277 39983 62066 70311 11379
97599 86216 41308 10003 70811 16528 67327 83149 73782 36634
78358 80669 88478 22158 52918 56881 54828 41194 53707

14892/13492/12192 kHz, 09-06, 1500/1520/1540 UTC

09118 00001 00000 35662

14892/13492/12192 kHz, 14-06, 1500/1520/1540 UTC

04144 00001 00000 33660

14892/13492/12192 kHz, 16-06/21-06, 1500/1520/1540 UTC

00747 00190 46347 60972 02194 85777 17441 41674 10504 99003
14844 19678 81945 06192 55819 44823 49622 25164 01435 58854
83513 21255 95753 95615 66419 97161 07882 08272 88709 69288
78703 41846 11463 99588 79833 02252 35164 59775 86142 90211
74263 79495 81197 54562 31910 88897 99071 53209 10577 03382
00984 89652 54731 20306 68875 83052 47311 20406 85874 67436
76964 42841 77705 23778 70366 25845 54893 56657 46806 61304
92164 61481 38284 45685 37565 73223 34425 69775 32447 18509
97097 65330 54527 54502 62579 39194 13526 56869 31011 60616
71440 03709 41278 15059 38787 06345 77339 02463 46223 71014
90613 29815 34844 23922 77466 59009 24032 67163 18420 35174
91853 27054 28790 78081 00253 42743 40075 87175 14650 94821
97210 02985 76007 01978 30995 65414 16117 47893 91138 25360
89521 23136 57951 81231 00780 33060 34087 62382 25019 81338
95409 56915 74489 72695 09171 26813 31884 00969 47199 32248
33368 33674 99424 81158 07132 65005 47794 78297 07548 03907
79927 15309 36148 77298 41641 79881 63265 61002 37101 03955
46671 21646 97774 57147 41648 78958 26916 59203 68247 38521

05847 16598 07211 42552 04496 36027 22823 07227 81961 68340
23858 12971 56655

14892/13492/12192 kHz, 23-016, 1500/1520/1540 UTC
08684 00001 00000 36270

14892/13492/12192 kHz, 28-06, 1500/1520/1540 UTC
08366 00001 00000 35666

18691/17452/16267 kHz, 1700/1720/1740 UTC

18691/17452/16267 kHz, 03-06/05-06, 1700/1720/1740 UTC
07755 00096 76361 84746 84981 82944 00376 76660 99337 85390
55538 99099 54633 61718 27172 29543 08332 80307 77400 86652
44937 68078 50763 41118 98744 31139 32232 33477 88438 53174
65582 33374 47708 51650 77696 82972 78204 25111 99520 22693
99943 43392 95285 41821 98663 95077 17856 49550 44317 33846
03022 86232 17768 50059 39104 91488 64000 11008 88483 16677
44436 68721 40681 86331 86978 22583 40933 47707 26155 33777
09528 07411 40755 51053 54401 70288 44059 50514 59996 22078
27360 39400 52744 84764 21666 77497 26887 65522 53942 57424
53346 75061 82300 71532 48040 61472 00482 91285 62226

18691/17452/16267 kHz, 10-06, 1700/1720/1740 UTC
03375 00000 00000 35662

18691/17452/16267 kHz, 12-06, 1700/1720/1740 UTC
06238 00001 00000 36261

18691/17452/16267 kHz, 17-06/19-06, 1700/1720/1740 UTC
00731 00195 34271 66070 48996 15425 49528 29359 32669 82038
55299 31012 51981 51833 55243 37984 39080 41336 94995 98216
20028 70476 38799 88205 85338 04502 35382 78343 88066 46790
04040 65056 71130 77588 80497 79485 72026 40568 49868 23397
76193 15051 83954 89314 79041 88607 50873 43301 53210 27970
08358 08625 00691 52452 19624 26284 00816 66976 20114 01771
54905 41585 39172 38670 91809 43076 69309 74881 28461 85188
05773 64012 76250 83663 79008 18121 91603 98624 65580 78329
94904 48670 97639 48721 03952 41065 43079 76078 25954 82792
06874 31483 13999 82698 06550 62957 14315 17185 52265 13708
35970 71419 33116 03535 25223 01705 59021 78902 87742 86089
50979 12683 81995 57707 45187 78457 27806 74419 49373 21560
24607 64720 88510 51006 90230 92083 95067 38102 17509 70337
78496 93051 86602 58550 85401 03743 20614 30085 46767 37950
12242 13851 27699 75412 34393 80259 78569 69466 41176 38000
74482 37563 34453 47126 79536 89638 74217 65956 30093 03162
99964 72421 63948 09371 01473 24978 48121 53592 00072 68065
44029 46562 90779 80862 23653 99335 26208 70357 22512 64001
12598 13442 86593 88805 98099 17145 46827 82149 27610 19976
45844 21953 18499 15479 27701 40814 47132 74505

18691/17452/16267 kHz, 24-06, 1700/1720/1740 UTC
05681 00001 00000 34665

18691/17452/16267 kHz, 26-06, 1700/1720/1740 UTC
06967 00001 00000 41264

19489/18038/17453 kHz, 0910/0930/0950 UTC

19489/18038/17453 kHz, 0406, 0910/0930/0950 UTC
07435 00001 00000 35662

19489/18038/17453 kHz, 09-06, 0910/0930/0950 UTC

09938 00089 86244 41767 77103 90343 60588 92065 33055 53313
 05680 53309 74224 40064 92584 99875 20246 41867 66070 06886
 84992 30365 44752 06591 80956 72161 89316 59011 46418 50472
 39894 63062 77475 40015 23225 17726 63290 33646 56701 51552
 78728 30203 52396 65737 28843 30016 89946 62959 20130 64593
 12979 60150 86435 98549 96128 08652 35899 33114 21716 48324
 71244 71753 74107 63239 46847 54992 34316 94319 87835 28020
 64893 09696 58097 83213 19689 50718 01308 73229 52869 04646
 92995 56524 47284 47211 85300 19587 94216 12417 72592 57984
 14570 64665

19489/18038/17453 kHz, 11-06/16-06, 0910/0930/0950 UTC

09938 00089 86244 41767 77103 90343 60588 92065 33055 53313
 05680 53309 74224 40064 92584 99875 20246 41867 66070 06886
 84992 30365 44752 06591 80956 72161 89316 59011 46418 50472
 39894 63062 77475 40015 23225 17726 63290 33646 56701 51552
 78728 30203 52396 65737 28843 30016 89946 62959 20130 64593
 12979 60150 86435 98549 96128 08652 35899 33114 21716 48324
 71244 71753 74107 63239 46847 54992 34316 94319 87835 28020
 64893 09696 58097 83213 19689 50718 01308 73229 52869 04646
 92995 56524 47284 47211 85300 19587 94216 12417 72592 57984
 14570 64665

19489/18038/17453 kHz, 23-06/25-06, 0910/0930/0950 UTC

06730 00133 29335 25392 73201 58336 89844 44826 46516 19974
 17584 96538 92798 04614 47340 20995 21000 04771 72631 72805
 97597 61641 77029 23846 32137 45187 31520 78289 88656 36614
 24806 68218 40150 98728 08192 74123 97026 75546 84027 68822
 39125 72859 12440 56733 56720 97924 63602 36320 82606 98045
 36845 56640 71155 45959 87982 29810 00886 14459 85440 50373
 83738 35477 55538 67338 31060 90880 37944 13716 08599 45374
 46713 98672 93700 22328 31142 60412 96544 03388 10947 38769
 82392 68202 32521 58549 57302 58480 38151 79801 54534 79253
 99273 11576 84146 69732 68013 15764 30560 29304 48811 34652
 81605 99875 66852 92208 12277 00542 67052 58130 90208 83845
 75436 89089 46019 53528 00907 34644 25759 45323 65230 60734
 05083 83621 44943 74934 67039 82438 85286 75135 47881 50083
 59592 87115 01068 85356 55378 75207

19489/18038/17453 kHz, 30-06, 0910/0930/0950 UTC

05983 00001 00000 37265

Test / training transmissions

The additional schedules started on June 10th and ended on June 19th.

20082/19451/18656/18038/17411/16268 kHz, 0400/0410/0420/0430/0440/0450 UTC
 20402/19638/19106/18426/17438/16337 kHz, 0500/0510/0520/0530/0540/0550 UTC
 19624/19241/18431/17444/16194/15813 kHz, 0600/0610/0620/0630/0640/0650 UTC
 20447/19281/18253/16284/15945/14913 kHz, 0700/0710/0720/0730/0740/0750 UTC
 20166/19656/18232/17422/16052/15862 kHz, 0800/0810/0820/0830/0840/0850 UTC
 20728/19581/18394/16343/15963/14661 kHz, 0900/0910/0920/0930/0940/0950 UTC
 14947/14407/13937/13434/12104/11532 kHz, 1600/1610/1620/1630/1640/1650 UTC
 15951/14521/13567/12127/11147/10421 kHz, 1700/1710/1720/1730/1740/1750 UTC

20082/19451/18656/18038/17411/16268 kHz, 0400/0410/0420/0430/0440/0450 UTC
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20082/19451/18656/18038/17411/16268 kHz, 10-06, 0400/0410/0420/0430/0440/0450 UTC

01001 00302 59088 49369 40764 92760 16244 00668 11038 42595
 63351 86726 31767 42459 23868 38927 35878 38153 79167 65546
 87972 93138 49273 94972 43746 80945 29423 57994 83217 86867
 58598 42207 60321 11091 91732 75641 63788 07034 47814 53111
 99473 60399 04193 37232 77957 80557 14951 23972 73518 76288

80100 50421 22000 86155 72263 65975 52181 64115 05622 59817
63336 58249 17449 24170 83995 21143 26404 20675 50725 48225
75138 28843 90337 26055 66071 27572 88945 12041 17015 63188
65994 05450 84474 06928 06767 08177 20207 74164 38827 25757
23460 99672 01411 87995 89774 41224 42949 80022 53235 56813
54152 94274 73245 25293 01150 51256 60082 95944 20084 44690
77028 40140 47099 42433 93822 57886 73773 10521 17402 75817
00936 52238 81846 24968 24764 75465 27431 02342 36280 24847
84621 08922 58804 60200 09035 71718 32203 59181 05777 55509
48094 24261 54080 94136 48727 83318 52572 58977 94172 31887
67449 32428 62619 77417 55876 01914 12427 48277 00528 25684
23824 57740 59663 95236 60067 68105 81335 86898 33397 22103
25682 14592 04743 61892 27723 76673 98157 87709 76239 41445
22892 68452 08169 03392 57396 52193 46302 81385 04324 07121
59290 83924 58653 80092 21684 90352 64597 58843 34068 80620
01983 65673 25580 72068 06205 52857 27685 00726 49693 79201
03756 24717 72037 55908 02781 52371 49571 55271 37839 07874
21803 99948 82573 26275 62812 41756 55937 24550 30208 37369
12076 39313 53641 95617 39461 57218 32872 36099 98186 04538
24508 45575 31692 25121 03355 34573 11886 99570 77300 66312
40781 09325 10003 26194 58817 02034 83098 99303 09255 64447
96918 03035 70517 12323 67125 64441 70075 66419 19620 45572
12488 13471 57084 33333 83364 46762 68255 57452 22900 28239
28869 56366 47348 53894 96577 02750 18301 27447 36799 37426
74119 33567 26833 33738 06619 11147 65056 19368 57995 38922
63497 34466 79949 31728 63445

20082/19451/18656/18038/17411/16268 kHz, 11-06, 0400/0410/0420/0430/0440/0450 UTC

04902 00331 17848 89911 10838 78258 61723 09832 49191 63380
84335 46046 49626 26551 09134 14482 02293 08950 48304 50927
52401 02407 69680 70830 43924 26997 58926 25198 82470 49217
25447 47321 86374 90304 83570 89273 80497 21651 42238 55646
60362 64940 65022 03912 79627 25643 10509 06998 84279 03510
73506 29596 81654 99400 55178 52177 18288 47017 45987 83839
19332 36524 27360 99973 37932 37014 59670 59320 42979 19859
33983 80640 66710 92656 90563 87459 37384 65767 91202 18280
16488 51927 40918 78960 75710 95850 65665 86972 35126 31392
70984 33480 75663 58398 36314 23838 37579 65048 65979 42613
65971 51188 64018 64419 69525 92864 62884 88997 08837 67718
14793 52520 55814 27706 67351 67404 95605 48399 24262 42081
71348 72697 24194 11586 48873 00503 04977 08312 56342 66724
49879 72335 99787 48588 52308 65298 87907 76497 09434 82844
32965 76666 78134 67407 16599 18464 77665 47956 91046 68908
28231 89179 40785 23897 71264 93273 26993 52431 15546 69022
87887 54572 32655 42112 17838 42457 52731 07225 75397 02052
79495 19108 38965 41416 09115 94680 94561 56786 94986 30409
22836 57019 17264 87432 38493 60699 31549 75889 77323 59034
38304 35476 60951 40410 94956 78392 44011 36022 49568 74140
65732 70440 72558 88993 89412 09123 50214 99367 14782 76582
98710 70206 57443 85135 46186 30867 37307 45222 03618 57137
10908 76841 29900 16363 63746 44019 58155 98553 46459 30722
50668 58539 07217 20845 64675 52395 84460 28270 98019 29369
10485 32180 61107 00741 60322 68097 78031 75814 94223 64088
41084 98788 32403 92429 63232 88890 40540 56194 25246 45392
50966 51659 52908 84059 25914 40170 62988 36598 20460 93789
46406 09037 47202 74248 46652 78726 15733 29159 56039 95648
65987 82340 04329 82370 89636 51879 26135 14786 57611 75784
11855 28265 03023 52626 78401 58824 79271 77047 74825 20151
05108 41432 55354 00433 17681 32047 51586 58154 45777 84505
73156 11380 00155 29597 79404 68625 47330 70536 94421 74033
14035 02202 78985 44674 81934 18141 06013 94574 95845 87826
99454 38685 54332 21167

20082/19451/18656/18038/17411/16268 kHz, 12-06, 0400/0410/0420/0430/0440/0450 UTC

09637 00420 23454 36823 43204 09701 12342 06725 65778 72925
09893 80147 02195 83982 31814 45548 00130 49449 00272 79065
59220 40979 13405 84051 66579 13302 52085 84089 14519 59372
76372 91820 90970 45297 84802 07401 87039 06184 83123 15480
70698 83319 45382 84440 94914 73972 02233 65201 90787 66688
59871 92528 54961 78759 99426 13776 27128 39402 70243 29902
57614 28252 92204 06405 96551 18072 89176 56897 99179 24412
58508 93944 66324 84790 08367 75900 95595 28964 89136 92605
11069 86883 93301 47830 99500 83843 36858 12210 45870 71026
80271 47637 35940 53221 57865 42446 91113 38977 87887 76841
84795 45335 66021 66374 08180 65925 26203 70170 70392 23526
18179 98163 50264 77637 18833 70730 34949 44374 06904 12708
81213 76966 11026 28152 44140 10870 58004 13103 26924 65920
84785 56617 41075 12294 07810 65733 20862 26926 39649 33574
57639 66687 41816 22344 52846 82106 97371 58302 34388 87133
07496 46738 32073 75178 95627 07828 34308 37868 22234 97308
07921 13100 43245 04472 38739 61561 57087 37970 69826 53098
49868 08023 04724 73328 55068 14525 35149 88681 75304 62032
13498 99701 78714 39790 58423 38046 24543 65896 16666 99980
31425 82992 04692 42340 25652 44539 23441 37344 83603 91284
25019 59401 88474 81288 37265 99472 42014 58743 20110 81101
72677 45625 62563 60200 83810 08218 34384 03455 46047 00693
37017 91190 21304 69845 21673 66875 03330 62383 47676 10529
91082 97804 05078 84019 37013 54095 11227 97425 02524 58950
96031 65799 45785 35563 27302 85798 20429 44490 58528 17434
10154 19986 91296 82910 54266 33827 38097 18629 59614 70389
96141 79629 11067 09581 90017 74872 40547 78542 23187 29714
96990 36958 00930 87096 04660 71217 45404 85739 42542 35874
46445 58838 03854 30241 00375 71096 06507 22166 29752 03185
15998 92597 37810 32134 62807 16401 54731 36204 45544 52428
45251 41885 21303 28813 20443 73194 19056 04199 78249 83048
88422 52356 76085 23739 23943 37302 75774 80824 09206 18921
68364 18380 48789 20001 13716 04392 99146 68795 24288 88257
16485 09199 40194 90112 90622 04560 37535 75039 09798 27179
52039 02308 43916 46703 14762 63640 16511 14071 08190 25504
40625 73906 26998 26623 84062 26870 93094 01301 15097 16050
74046 50259 79909 89990 66563 79222 12162 85972 33116 19383
99766 00735 71026 82025 66880 66056 74463 02086 05239 50075
87880 85075 60604 98783 47631 42578 82200 13571 06049 63751
11464 36233 59942 93747 53132 01780 22397 53924 80139 35538
51478 30538 80953 88806 25736 39890 02880 44972 59741 18006
52406 91008 96061 65020 28169 88969 89654 81125 42358 23984
97021 98589 32406

20082/19451/18656/18038/17411/16268 kHz, 13-06, 0400/0410/0420/0430/0440/0450 UTC

04403 00368 24044 11620 06963 81666 87078 00363 34127 38733
06685 35719 79111 33128 64336 30284 06429 10505 65117 11468
94653 78788 41680 06628 31663 00550 05630 76002 87065 85702
23322 43800 66693 90641 23565 23547 45351 26037 50826 03000
33404 43036 81747 09165 43306 89236 32673 30399 34710 64165
05466 04860 39407 06851 06289 00047 96150 17515 88844 06312
66026 00065 24297 38424 15300 02305 57025 88458 09554 30788
84933 80381 58677 60006 79062 52714 97039 22524 63220 42516
67964 75250 40182 22899 90236 08572 64860 68841 83351 23527
27385 07835 36190 33513 37983 22329 18740 43323 03864 41101
31221 33224 30844 83920 78231 03982 56082 78300 28788 53563
02006 73626 64294 46339 38346 90774 69782 01398 48087 06727
37332 88182 03007 86016 13393 67787 44290 05163 23123 56732
33975 44706 18659 22117 11285 12739 44406 47370 43666 76252
52389 86670 31053 30877 20520 53668 53440 88850 06166 46107
52545 07341 85135 87036 03769 43037 30116 44817 80527 12134
59692 41019 55176 72054 09596 48289 54866 42175 35033 14606

36367 22412 57730 71933 54337 44660 47128 73117 55504 59624
03556 63338 07886 75814 04086 06633 49479 20522 18349 68256
83521 88588 66840 31431 16559 00370 20483 68887 11278 62231
98800 11364 44775 81559 00833 30133 59610 23202 41798 52107
95908 66088 79311 20903 98566 95242 32022 68261 67867 02864
88708 33223 23826 66786 31083 46777 55569 25199 44373 41966
08066 78118 61848 83271 60822 02182 07632 17436 75074 74051
57011 36377 78622 65230 61336 06432 20276 45838 32953 10306
78246 52230 00030 07314 83421 65255 87537 88008 60374 54061
73563 33400 67826 99831 33940 07768 05238 86039 60078 96384
88620 14586 03187 93804 34941 52331 53609 58584 94438 14651
26500 08630 93144 35068 63619 66924 76889 53532 09748 95465
03653 08501 56966 20002 88487 23611 68549 67799 31300 53567
11192 24236 85857 36567 31684 64759 48844 06304 62363 30088
10636 28953 94579 45822 26460 64933 40164 32658 36200 66005
40778 51775 76289 64603 81730 70007 57624 83173 94326 11318
73680 75828 27283 39870 03459 82263 23772 56676 03373 98857
07778 58684 90058 78558 84818 85698 14032 11038 83444 34443
83335 35799 42677 63293 12788 58485 57846 20244 53825 61666
06034 63868 12976 40042 46307 33806 00669 53708 41263 35286

20082/19451/18656/18038/17411/16268 kHz, 16-06, 0400/0410/0420/0430/0440/0450 UTC

01401 00382 16892 21714 70610 13303 91591 12892 10604 30052
56129 74359 59377 77788 88367 25646 55818 51249 01514 46452
18690 20602 78863 16016 93995 79534 40983 31760 86107 36437
49191 05967 87821 26867 24955 66005 18316 12828 81057 66990
71258 48854 20848 55574 00030 05473 16441 72508 54337 63201
11221 21917 85552 11464 68357 97321 86442 00875 27717 91075
72319 59831 26783 74165 80860 50161 86536 32509 52833 22361
07329 42990 70191 34523 75192 69834 99753 23289 15986 88522
63093 68473 77421 22906 25216 27273 20413 76357 58509 27632
79561 17440 85110 89981 94670 11426 22070 46681 74712 49867
18935 83930 19674 31975 55872 68230 51725 51029 36270 98521
97567 63153 84887 39194 27982 03845 82409 03877 48949 53586
29748 10179 73999 25200 42798 89887 57879 80208 39851 63766
47763 53071 48575 66118 69586 79161 48799 45445 67033 56985
75547 69383 40087 59986 30064 16408 32552 45915 61999 90825
29016 18193 97731 21125 20118 08756 09931 94472 89176 65983
10350 71515 11177 72502 50757 44495 14577 18769 69607 48820
55044 36963 36843 91962 78038 60364 70090 14013 95135 26390
57335 11963 18209 49025 34749 29570 55339 27450 45999 60829
69229 54325 56268 01049 46634 04031 58205 67583 09228 85568
01830 13782 76307 13179 35780 92052 81349 05768 43086 59753
38665 95917 99336 62785 08647 98386 53306 62150 37751 21187
89155 87126 72768 08777 79589 00719 80693 35793 45328 74006
02159 02506 04784 09567 24559 43552 35655 05029 13245 42696
48219 49570 84362 86245 22164 73311 54988 93481 92400 48247
50624 96053 29830 88040 96411 14702 41013 67529 33589 35061
11358 45556 60439 69079 57594 36158 91132 89769 38225 65094
62731 48277 48905 95055 72966 39584 02763 86521 86612 06277
45729 87211 43391 97079 23282 06104 72675 16742 13154 09857
02539 68124 71439 78183 31338 02663 89130 15283 28650 86005
82177 65218 55255 27306 85515 02447 47147 34773 15074 56827
11938 54490 80916 27311 89330 24146 02164 63358 45796 41489
63481 74390 76615 28368 62555 94606 76836 70721 63717 70302
50453 87479 57870 00607 24099 80510 31955 16085 11564 20835
58956 37901 01668 56326 97917 48047 87206 44128 88851 07191
00499 25771 69485 77160 22523 07787 88602 26887 64750 90908
25609 76425 71055 44770 06373 24458 96618 80309 03211 08820
92190 86078 51794 24961 92532 25580 72721 20288 30450 14507
07399 32708 81868 56525 35126

20082/19451/18656/18038/17411/16268 kHz, 17-06, 0400/0410/0420/0430/0440/0450 UTC
03874 00284 38807 ... (many decoding errors)

20082/19451/18656/18038/17411/16268 kHz, 18-06, 0400/0410/0420/0430/0440/0450 UTC

02574 00358 38795 87655 35860 13633 65580 40236 31412 77980
73536 21298 39628 12721 44610 39227 75974 11061 37963 47036
56112 62292 88197 71699 87878 32338 09839 61916 18512 57520
51461 47756 99126 10369 84428 76766 25297 54423 12423 10775
26661 68271 51533 24575 06997 78626 85504 13163 22185 51191
61016 52876 88098 67877 10134 45658 29127 67094 99775 03522
03793 03663 21724 73890 26519 25780 22171 29259 28292 67842
13930 21551 98637 27187 20374 87839 10758 63622 64702 09252
46832 96674 39731 67319 96503 98584 59656 31249 00235 38769
47638 58202 54647 08900 06981 22998 46547 77642 98055 81216
56454 56245 84870 54341 37261 39464 54238 60911 47502 22293
34899 65504 02391 90522 56689 07118 63930 54403 77385 27933
66122 90920 29024 89522 20203 55726 66902 89736 20205 97375
41292 33115 65565 83485 52796 90586 11804 85389 30058 57038
44346 98744 83745 77940 03869 82133 55810 64123 52210 99862
59067 92142 00257 70121 15093 65533 27220 95346 34137 81533
72561 64500 40705 50126 81000 01784 99937 18905 37725 66102
95312 78539 24345 20346 83586 67377 07174 51083 85652 38069
99915 02778 37526 20341 38307 49148 32858 95443 68391 87262
63365 16457 51251 48523 84476 79844 58038 33619 96939 02085
82195 36905 26398 86107 04550 80526 67796 79909 86534 47715
58358 76136 09694 96067 81617 69782 26974 20364 11818 31851
68925 04494 50512 50461 02736 78855 27287 75821 35868 03741
09338 73554 54142 83566 55873 63010 76379 51417 15790 57780
81350 52947 08909 20675 28904 87227 06762 55183 66905 14694
52870 37674 21800 65088 33159 77700 86391 75935 83370 25694
53238 91974 44041 82792 38377 84802 21993 26126 40194 18607
93400 75555 04573 54037 50499 15978 95584 29836 21557 15507
72092 72103 08915 21173 50870 71663 51753 89053 50407 78171
76617 00444 68045 90095 04541 89374 08905 26115 82297 44101
65233 80634 14989 48298 21292 77314 33100 67762 14588 17181
82115 56555 54377 67862 53601 81134 83059 22867 21921 66712
33048 32939 65718 62021 41988 92956 07509 13377 49495 61123
07072 69468 47538 77451 10273 91456 57113 60616 99880 73555
38562 83989 74464 33226 96054 20062 46066 00182 36493 23406
06315 86037 94192 15584 11052 32294 04916 52966 06309 28335
73610

20082/19451/18656/18038/17411/16268 kHz, 19-06, 0400/0410/0420/0430/0440/0450 UTC

03282 00352 41819 54269 58308 72434 93285 51932 33147 21202
52192 14313 87496 58527 48415 85315 77063 51669 31890 57273
80175 18900 51893 41918 34440 33902 36508 40715 80347 79809
21768 76874 45696 79165 46805 13845 50897 06912 39254 59253
49445 24181 11668 48530 12103 83323 60929 10706 06886 36917
89589 71660 59697 54572 45514 18367 53892 99899 19829 24406
35925 52569 71583 53336 99433 99433 75317 68615 08333 11721
33460 33307 70051 11314 72634 07727 55994 07222 03363 29814
51115 72971 25801 33889 43430 90218 50006 17176 91121 33650
28437 59951 50997 87082 14848 22228 96675 52596 58333 49096
36675 14708 52599 98883 72214 01399 19438 59235 87061 46644
88518 11024 50529 70084 67711 51433 10012 18740 28153 63116
49326 58140 77492 74667 83283 74518 83319 83068 97555 49307
10951 03398 48800 54266 93018 36407 20372 26817 61513 40930
70770 90859 30004 44377 44031 17302 09421 80911 18369 63313
13204 77133 23343 95211 99768 77943 37214 77919 15700 97695
19077 36368 61668 37754 35784 86110 62233 96262 77754 32205
31062 83330 57226 87220 92225 58465 28026 33004 30547 65980
65196 02508 64699 33152 36102 32815 77853 53686 54496 14385
99191 42341 11116 63816 21852 33311 29179 92258 08582 58009

55566 13158 03855 86062 32251 29888 20907 37221 02877 41302
50616 04099 47372 49719 32499 16570 71668 27527 00651 02977
07166 08547 41765 62669 33113 88609 72188 93308 65369 57922
29285 35667 24532 72537 10913 52037 98650 78635 00800 06204
11908 41732 50808 13193 63766 95091 95077 61395 31316 05281
62742 00652 90706 05604 50842 46519 71392 41186 52949 43740
57707 27498 71850 44953 12016 14949 79566 74834 38805 80461
17918 93031 25726 95446 91069 65433 57737 28571 98900 38020
93530 10793 62092 60087 95179 27633 44959 18928 21694 64393
80644 57464 25685 58059 48495 84408 69880 05855 01177 48818
15524 20243 22590 50854 87361 69709 75924 95259 14533 85407
88780 42820 42284 14929 50208 46914 65405 11762 49773 84382
69989 60638 53139 74411 99815 60453 67346 67665 46951 06650
95551 51882 27394 50082 22495 73287 88201 11237 72725 25469
51708 49699 04394 36286 75611 37824 15180 10756 07851 01580
19003 58117 56080 16793 78728 12024

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20402/19638/19106/18426/17438/16337 kHz, 10-06, 0500/0510/0520/0530/0540/0550 UTC

01002 00360 31247 05279 07942 50902 08177 72619 06695 72958
10600 03680 63190 21628 29487 11202 53021 21909 61873 83208
72033 34285 46009 25200 96629 48315 03214 65421 50062 32347
35403 78005 15738 28544 19956 09758 16381 25392 88977 82581
65884 62361 35225 66965 49690 58838 11631 09471 62773 16304
88822 83274 35933 82285 76615 50244 84086 06047 08649 59626
47687 42755 22556 74347 37554 32593 87940 34645 01671 19729
94819 27628 32930 79290 17323 09671 99058 79042 75508 37790
36683 93742 02647 33758 43523 52127 42072 33451 51928 69711
25671 10334 16743 29350 34893 23129 39805 60877 29410 17096
70896 76984 07799 43044 21483 61193 50343 56641 64961 66944
51185 05044 30537 70857 22942 53944 40107 88796 30823 85425
90520 54489 82716 31959 94056 84485 10885 03580 44396 94193
69864 38181 49631 58412 66893 59698 85942 59602 12274 82329
01784 85429 68488 84982 18526 20627 79796 45884 06407 80948
83020 51007 30053 43983 26575 16407 94266 75839 48986 36997
50308 46763 12245 70767 97078 13003 55411 72124 03964 63243
68000 80504 76522 48493 83641 05090 85999 97732 13433 73429
04688 64999 97171 63447 11172 18856 08128 05647 31836 50485
65431 10103 10616 75276 32020 55019 73184 97720 87903 05522
65214 07672 41920 43163 12948 02516 74484 81559 60341 21484
30407 96532 62406 75555 32308 85307 49591 48796 59595 78221
04875 49764 40287 53477 97811 57897 69888 01245 16472 28621
31905 88278 09829 07910 08215 97015 23078 54007 50499 08656
44371 26567 45305 10351 20078 68897 47695 35059 42967 46711
05428 24387 38125 09681 00647 15450 67383 88441 45351 55050
32627 73238 65086 31719 89578 42128 86702 54495 67340 35291
62229 95582 98296 50939 33850 78306 04459 29936 33399 28913
10201 34828 58277 69759 23193 07518 50153 00148 07262 92764
29632 34636 08656 95448 76027 71131 61479 13585 20772 77949
82193 93199 67718 07675 84481 09845 26090 87184 75829 22340
10990 37447 55042 16437 44848 97797 14961 95326 08526 82060
91973 86554 47232 74574 05659 27592 86926 02848 74910 62718
16826 90872 09164 55449 46719 17000 67109 50601 85276 13347
81426 62967 24317 84921 81773 92184 79592 92217 50599 78229
56170 66152 05059 38710 85974 95638 45966 93142 02015 56888
22918 23241 35627

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06669 00307 96264 78688 66039 53619 85507 99052 68098 12834
51252 53043 91224 31311 50858 62311 86888 10843 01251 10181
37769 40319 22811 42563 68793 77221 73753 76818 66078 02785
41802 64902 06383 09062 02221 08903 77679 66628 03490 89770

02046 09767 33431 58542 97966 02203 98697 50412 04713 64950
33288 95230 47194 95311 11319 76865 48958 53700 09894 88816
79865 08689 32973 65313 71031 86339 36659 82161 29090 41954
84631 20260 07353 11479 08134 18002 06887 64267 44596 66590
78523 23340 72104 00028 69496 46570 17717 21071 97741 25355
59943 23978 56733 14672 09905 93356 86792 68117 87510 11626
65542 16535 21322 62757 80318 03027 87877 35714 87177 93306
69977 84689 09104 43303 10293 56524 36583 31844 95816 24460
68621 15588 84408 03734 82010 60652 63526 92679 01574 04777
31208 38769 76756 32969 01047 61987 02017 09347 20809 56468
58692 82001 33893 04424 55377 75253 14873 13429 04378 53379
56772 54948 72300 63049 43003 49954 32114 17588 80746 19665
49500 95196 34140 72399 62108 31208 07933 76134 42256 48305
54507 27235 11035 39348 65767 86619 81694 79994 48356 06757
45778 50096 88301 48193 58004 76259 66467 13707 89964 51091
29873 84428 28600 01143 06967 63495 47861 61492 42315 24168
67320 38738 71171 56072 98871 29536 43912 32952 97281 56383
68258 52118 69231 73989 73886 99402 06895 85945 14395 85848
64739 94224 86168 91163 18432 70078 98634 09892 32380 02271
38758 20202 37679 24187 39435 07039 78923 32228 49321 28467
32346 33515 16425 33581 82832 77753 15196 54610 27256 07563
56600 61914 47096 56465 59427 73094 52569 80007 37640 28793
30901 34020 00571 95009 17624 48056 14438 45043 34553 66846
20478 74665 36623 85926 53502 31223 77799 52586 08331 40677
54881 44024 82635 24816 45670 76842 73104 81213 64759 66340
54469 98915 94587 20528 97565 98325 32944 21414 15956 34775

20402/19638/19106/18426/17438/16337 kHz, 12-06, 0500/0510/0520/0530/0540/0550 UTC

07529 00400 59921 09020 86820 58639 51670 67444 80642 79112
09492 77679 31667 67862 80372 74779 37685 30823 94423 56553
68649 29829 61767 82965 16387 00850 90899 85448 03232 70932
49437 26139 64356 13416 93573 37953 03998 20660 01652 17046
46811 02121 75888 29856 21683 28693 57987 91577 36964 88321
97895 58327 22117 86230 18396 27148 55329 76955 92632 85969
67739 66220 64212 09710 29675 83352 13322 18250 74287 42418
70780 17024 29170 77377 09742 66528 53940 31910 61281 87692
42862 99320 48484 14910 73035 91109 04021 78125 95019 66425
82623 27042 28027 15682 49305 80589 37907 66178 00181 38330
15370 39737 17290 94544 17540 80871 29156 44738 76487 51866
73206 23418 15673 04939 43107 68417 17736 49302 36673 38564
79330 35195 23230 07861 59794 43738 88996 13487 28071 29152
28621 87761 31729 22951 72321 03125 82029 53938 97368 92163
61952 59282 01637 43152 93217 59204 11368 23087 72574 80886
62852 88604 29504 61615 58998 80173 16506 09428 34750 73801
91873 15668 16666 47335 23245 85444 91688 92721 32616 39982
86386 63797 51932 44509 76610 20048 33557 80077 14642 00589
32369 65908 40912 47183 66298 40016 58256 70112 63952 92146
86617 72601 19187 23567 00289 46284 42615 54301 19906 07773
67515 18646 90470 32592 94499 99054 36671 84994 85004 38949
46615 36427 94784 34161 41431 25965 74755 69481 81036 83228
27187 21575 28769 40468 53363 13785 44609 28364 44219 30326
77431 79255 60171 06869 33072 13723 75437 08320 52683 67242
03344 73261 85107 25002 45530 50190 77815 85025 82135 74322
71527 73133 73263 36676 80585 45939 89875 50001 79228 80713
54445 08306 40774 54677 61517 67359 76255 87915 01088 27707
50527 66435 16797 13793 79884 53924 36467 03767 94936 03173
35969 59583 46228 69896 58798 04298 05991 23494 26283 87132
23846 25435 29090 71969 12797 95036 32487 30430 63484 78170
73933 89899 83936 54427 23795 05092 56335 59470 56791 26660
09472 86108 55063 76055 44744 94861 62077 70877 95878 57218
61367 52760 61631 13955 03861 25091 37344 44827 00996 84846
21436 06037 40281 16766 29238 46068 75645 91799 46100 53705
47961 46520 66702 99621 77659 37736 70370 53034 27224 17935

32958 61609 34551 06265 16803 21172 28267 69980 50566 98702
67746 11508 58474 71943 05223 03434 45826 38297 46816 98674
19215 70276 24776 42172 09256 14846 86057 62009 36294 66123
54720 84308 17602 83059 51888 59826 71485 34016 99961 08065
17801 05664 41233 47397 85957 36453 88045 94757 94397 74225
91908 32072 46037

20402/19638/19106/18426/17438/16337 kHz, 13-06, 0500/0510/0520/0530/0540/0550 UTC
05770 00398 ... (too many decoding errors)

20402/19638/19106/18426/17438/16337 kHz, 14-06, 0500/0510/0520/0530/0540/0550 UTC

09727 00396 97606 53415 72461 63391 66960 30599 11016 31611
48393 48589 79560 52093 61204 05509 56673 64160 36911 44130
41875 30292 68572 52471 00744 79005 14632 94664 07428 32848
34720 56756 88978 06232 10158 70406 38641 39323 43233 16579
29324 42117 86990 39226 73590 93051 55794 30318 28268 74095
02303 87230 41664 65459 32785 17046 25208 45134 52670 93455
48758 72295 23170 78167 96890 91635 59610 73327 41934 90797
66866 17349 20926 20331 14805 99757 43301 29346 78879 07692
23211 84313 66395 33332 30545 47488 15092 23519 73445 93111
45197 93506 86652 49777 67820 57028 18946 08822 42335 81954
33440 82465 88383 37470 07229 84952 66304 21333 50653 33027
73744 95861 66253 44978 70243 64443 05899 89837 47622 49401
76543 36091 99880 48822 45600 73359 30696 71147 52509 57776
80811 34478 87009 96924 74250 40744 95928 28925 26102 45591
81182 93758 72864 40418 19366 49335 27252 41673 79533 03376
51128 29107 61199 92932 05410 97348 82583 39560 91868 33868
54255 95156 68822 92875 52215 39265 08851 69328 70727 29498
68514 76973 63734 02030 68218 82784 63225 59462 29456 96263
46107 89022 91613 49132 06648 51703 73278 94076 91513 76901
58160 56368 37055 92232 91335 86025 24935 79987 88202 80099
40484 57923 70945 50034 34861 74153 65372 59168 24714 22625
34122 23121 10104 95604 87760 65232 03542 19689 86227 00512
65986 14773 77813 93825 71337 12145 39918 71500 10694 82191
57848 83236 71258 49355 55779 88182 18077 41578 14270 32493
86329 14110 69362 68887 42778 35038 46263 41450 04472 26102
82482 05245 93758 87689 14113 25710 80109 77118 78696 22715
34235 93870 48473 42521 64776 50884 51862 60748 39824 99576
47154 61963 05418 53734 14181 51876 45410 08925 51046 36299
65881 98467 67028 84590 99707 52602 89476 83567 35241 30069
08073 40957 62881 91554 98257 92458 65635 26840 04111 91892
83175 85514 01625 04894 78946 20519 99825 40024 73508 62236
80298 71183 26072 42396 56833 35766 26841 63881 42813 12173
61406 68293 25506 09755 91503 06197 99080 13863 55476 21721
86239 18570 04813 59153 53123 80366 96841 62134 05644 79188
52775 49452 10059 73004 49769 36889 14885 20484 34720 62490
65616 01753 84026 91936 30485 14881 60007 91869 13390 72749
21437 85961 84547 51787 75995 61728 66369 66917 89272 76465
38924 64706 58237 63623 59396 11954 58234 52500 59984 54613
91311 78596 79142 92985 56103 84485 34543 12875 28667 38241
20358 04972 48744 32893 57750 66812 64904 58270 60430

20402/19638/19106/18426/17438/16337 kHz, 16-06, 0500/0510/0520/0530/0540/0550 UTC

09076 00353 86965 44652 70164 39762 92682 81637 02943 36552
66835 60124 75641 12198 97881 41533 87405 36622 50698 69295
04610 26130 49609 34591 75874 11462 00383 96778 60759 44695
47694 33978 68593 02177 23086 45087 65661 86361 98374 09930
32491 80188 82251 83446 11380 79095 92363 90876 49235 16824
66583 89398 59853 04967 87238 75788 56390 52374 68777 58701
39378 95903 20878 58246 88856 32856 91529 73464 89111 52794
75870 01043 38247 40767 36804 24421 43878 66162 23210 96778
19098 09506 47542 43934 78111 58295 74124 63626 14938 47297
88695 13287 17584 39673 70550 36587 59309 24004 94588 78523

87564 18898 01764 96439 40952 65539 51151 19086 68162 62816
31909 90227 29163 71997 39602 29871 48360 76942 80134 30560
58731 27903 58526 41814 64097 62583 83458 98573 70215 00216
65110 19874 71572 44686 09213 00199 07741 51102 02982 12571
07143 55038 95462 52120 15387 98466 84123 45585 00070 40678
88225 82366 43868 64027 19792 59660 60371 59949 32341 78368
82080 52577 48869 67945 97705 12035 18654 84475 62784 39403
22130 97257 73960 67562 23417 03693 32440 06406 26426 65630
78459 37872 98502 29536 11989 82743 76004 07544 24893 49551
39827 47791 18760 24612 30490 54565 06168 27516 54413 03351
79812 99646 82799 60665 18548 90967 08405 76304 40610 16099
27220 53964 33523 66710 99907 44208 54073 19332 55955 14962
36030 11109 59581 13233 99574 74337 78496 49347 37072 68850
97523 04923 51992 23074 85816 78811 55071 37836 10987 21021
74337 99698 66933 08794 22330 85861 14267 52048 24704 86281
00491 86834 71559 39451 67320 68702 40064 69566 61089 44209
12470 59057 39232 71758 18574 22296 01972 10448 80892 21096
89135 16236 08344 34934 40623 36330 44175 50787 90901 13713
60070 26448 24643 50790 68359 10688 33362 12540 55753 17114
38746 85504 76745 66777 08550 15280 60465 95173 90218 00033
83889 03819 71154 03607 97144 84253 78490 36625 98826 30989
24526 89276 78663 47376 84138 86021 34413 88441 03399 07886
88933 89430 54694 63778 82348 03631 39489 41566 26384 25343
75864 49001 60567 90867 29822 56250 55292 21035 53644 84104
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80865 72023 91773 82332 11099 05372

20402/19638/19106/18426/17438/16337 kHz, 17-06, 0500/0510/0520/0530/0540/0550 UTC
07347 00001 00000 10140

20402/19638/19106/18426/17438/16337 kHz, 18-06, 0500/0510/0520/0530/0540/0550 UTC

09738 00370 76598 17230 54106 76204 94813 27094 79078 65546
35001 14515 24984 47414 73241 81684 36659 38204 65065 69759
42307 64739 65487 91985 55020 11162 73248 32284 23373 36142
23300 78534 89190 04590 38668 20722 55546 03738 04445 29323
03090 81741 79662 97129 13039 22315 11436 04512 26755 13677
27825 82623 02785 53123 63325 32121 66177 84611 62208 42944
02955 62528 03720 42935 42246 56465 25324 20394 08745 52518
26138 32920 33758 35742 66669 60565 85075 68356 78945 32705
99724 68735 05529 09696 08317 40675 75748 36066 41264 06547
44544 70933 41528 61500 26367 40560 78020 36726 54883 56572
96989 91041 95765 74235 87538 94903 48864 67042 86452 02759
47044 07820 05665 29503 43218 34219 56998 94023 34617 01570
80716 89256 79129 02198 07974 55203 91391 72257 09375 26108
82543 48348 13473 22373 35714 08683 72969 31293 22156 13413
91810 08706 49612 38504 59501 36723 65268 12025 18281 92146
83561 83996 02108 53313 75855 07733 11911 93567 66260 32335
03511 76606 57667 60344 20215 98694 94345 83291 93788 34534
61249 25704 71866 21204 09758 72009 39643 40625 42695 71249
89934 79366 53975 17227 42546 98545 46240 60159 46516 27981
96771 79400 65032 89820 09901 15204 51037 89267 18288 60806
42376 81975 18236 83746 30897 57856 12129 80903 43554 03846
68088 71285 50871 95009 42400 24144 22630 40440 17797 21668
52454 34186 36775 65806 37762 81847 60671 82045 11302 94553
20972 50375 22336 81888 28873 07959 61130 70228 86328 84688
86415 65335 16605 42670 49891 25486 28528 70021 47420 85756
92572 10597 71469 96619 08351 08190 45199 52428 45983 49049
97184 30083 69600 48999 82872 17713 48948 68982 66136 34440
63013 52400 54111 33108 35251 87118 17581 94104 05915 12276
53318 90649 34624 25545 01981 10374 78904 25716 73536 20682
62758 08702 24244 37278 87503 56332 95733 67604 59796 42178
76536 59545 03884 12979 22742 40171 56484 38361 61367 21232
90607 51094 46513 33707 95730 06534 95458 44055 47018 72498

38807 23232 95445 45453 71681 54311 28155 16832 45603 78918
91383 49975 34307 63735 35739 93771 86764 21645 02802 61808
53888 40542 64348 52303 30073 11664 62188 90536 41547 80968
60873 51678 20586 87297 03370 53303 64099 58430 41297 68430
12015 39652 92756 82447 29848 40632 16786 82776 97967 01958
19769 73812 64205

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00333 06860 88363 80200 05216 80582 20108 32780 04882 39916
82105 68030 00566 80378 36633 03882 21388 44087 00590 74877
36544 62200 36808 58340 17663 30065 03338 37867 38686 83853
70721 59126 56735 89444 23305 08807 95060 16637 11886 30863
58854 36852 05678 80408 08777 38308 55346 66857 66266 07851
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91805 06112 27600 40355 27031 63232 84215 58803 90116 96039
56853 09770 23004 88088 78760 64380 48763 05558 27054 60895
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76706 33582 28405 57917 52619 55177 09626 43129 34146 10545
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82529 81159 16049 88151 95489 10192 30247 94163 71583 87266
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21915 98942 95830 74673 88211 59569 43670 27099 91676 28849
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65142 02636 43579 70577 86141 08588 78658 19017 81317 34604
36437 93793 21769 62859 74912 41850 74020 92124 68415 22955
86144 51700 27360 09987 01893 40883 10840 77548 99294 89717
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17532 79189 36782 36352 18028 19834 91642 62024 10504 29165
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34329 47732 40442 44207 18134 50427 69537 96402 53494 11223
21797 13251 23087 39519 85752 26535 91381 56093 31498 30603
25273 54526 76576 48951 47590 26806 53043 26697 02037 14212
73245 23185 76132 25498 94835 11772 30769 65519 45492 09673
79300 92799 30375 45843 28435 62770 67638 86625 24331 07779
12433 90493 36958 55287 59730 79801 71155 91489 96615 91327
97382 42839 94364 39282 37976 98610 37118 97587 44682 73979
95765 25862 10601 21825 51301 32473 24150 30733 20516 84819
59166 66417 02366 94257 01778 82751 86225 20844 65766 15033
40616 39279 68902 54164 12289 36461 98433 91092 07866 29823
25651 70049 41942 50350 12012 86570 79892 15133 03986 27257
55651 40421 70972 11796 32160 30964 40472 00107 37504 55223
12384 16274 31821 29649 33362 56486 56958 56435 09535 14840
34038 33057 22867 90692 59167 89116 24475 52015 82244 15206
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31585 30653 21042 15868 76181 64998 42507 22538 01619 32841
40475 21067 44877 69343 24500 93390 13068 21672 16007 92858
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08994 19898 33672 22585 71862 56334 24966 92154 38288 22813
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43137 90482 96104 39614 94417 73349 14019 38206 08119 88657
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89739 14948 26241 65443 02860 25472 69639 34416 21202 94302
09689 37184 52448 39829 59891 70780 68941 37019 12790 11598
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31266 81430 76740 38902 24766 68426 46114 56095 56224 01350
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08409 00363 67604 54924 50478 80680 88584 89972 13501 90576
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36613 71411 31950 89915 18967 58663 99202 84019 18717 67378
95647 04905 35293 35912 92518 17928 48351 23840 48022 08139
61991 04063 58793 30866 24689 69507 43808 51366 59950 68015
70991 32176 04106 67300 53963 41165 05696 81974 31835 78891
08501 48967 29171 32873 69723 03459 10481 47237 23717 77044
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04704 00392 65972 09184 87522 64317 44048 96195 36272 71926
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84669 10632 99126 04974 67974 33109 91906 05199 46719 33160
39707 42489 63609 26802 09367 87003 96272 61263 87774 69655
61302 32682 03310 80551 66048 60676 39143 47117 60910 12600
02692 27860 37185 20722 91050 16182 82917 14637 53343 68431
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46459 06071 72367 51504 07174 51987 07322 18575 38924 07298
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08859 64342 75711 46045 74466 24404 42865 14978 29389 75991
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65089 63123 56614 80981 81195 80809 89661 67832 27832 03662
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59570 25336 70034 55166 44155 71920 76804 26905 60937 69097
62117 41268 58251 31336 06172 60171 05467 43346 48768 61602
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51714 73993 53087 80294 72757 70564 43252 81326 82906 79843
24426 80072 78657 66840 31133 54028 62876 51333 35080 18142
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05499 94765 52234 15711 56920 44021 39942 48689 91628 12172
10133 91095 99012 44085 54445 69291 56994 90630 73918 25318
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27914 33509 78596 81782 69185 60204 91045 59331 69740 24785
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38206 27406 38644 30321 16120 53626 00243 74673 35519 41872
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00607 92190 24217 67816 99257 66754 43695 86930 71267 97284
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09363 13795 47649 29020 04882 35137 60635 73651 67282 42430
38152 14430 42422 98283 46323 02838 67079 69258 59190 85450
67615 05248 86614 97720 75548 40030 68431 23766 59830 67711
26404 22093 23528 07085 22547 95743 61076 04619 26772 48878
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45122 68815 74085 75399 10371 04114 27180 49927 53471 64850
66705 36869 13821 99570 16026 16058 90901 35336 75735 50579
41761 62460 42486 10312 74909 14092 78992 68836 10199 83596
57507 95173 01898 60342 22589 57588 48007 48127 96712 18432
68563 11149 51146 61920 82172 73670 39701 26684 01752 71462
01048 47185 97520 71287 57725 82661 26328 63773 00490 96277
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68049 42773 38622 57303 82015 30611 11313 80564 28139 01238
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01005 00431 34059 09529 29185 68310 50943 50745 35061 05045
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65041 77692 71703 22928 67693 29728 49740 22910 00664 61452
06368 84103 31442 84440 91610 27245 26077 52961 74792 87109
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87775 31042 46900 26809 48599 40874 94053 11131 41835 99455
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03988 18028 15287 17067 50040 47979 15513 57714 46150 20047
98189 64349 29949 89184 73676 75325 37202 04633 35841 50735
33191 14946 11126 75335 68539 40144 66979 88570 15302 70522
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25361 36339 64979 21788 01265 54219 98082 60895 99930 23350
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80998 26841 42400 74627 84820 06232 04372 38170 80694 03818
59570 07368 27864 35222 25374 96850 49966 89336 74070 14320
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62844 75802 81306 66871 09619 98418 93837 80350 36965 94032
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60116 43498 19195 79578 73019 30775 01126 15952 54916 80009
34620 18931 53912 22348 79327 79458 65083 85842 69734 74583
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98366 04735 91284 78859 01318 77169 15084 02950 78719 65447
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10498 74639 29398 42316 28256 27510 94120 46463 69236 57559
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09777 00263 43996 34566 24224 40422 91656 55086 12854 09399
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21454 27959 58758 87505 18542 16052 78833 04850 39001 12872
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89153 65468 43805 38504 49908 90901 61536 09564 67060 04564
07821 07899 84514 01570 94221 10965 64057 49892 66475 22065
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01695 00426 03887 84117 28250 83510 20336 99908 84598 20756
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94350 73667 08662 93636 81597 39088 29794 77264 66180 77977
64425 21337 01915 90996 00290 02454 95179 16440 63389 76484
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04639 00384 61587 86907 70546 05947 38811 79945 04131 66034
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27353 98107 77157 33806 51675 06826 57778 41622 94056 74477
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08593 18454 48786 12215 46634 05762 36536 76527 79746 16251
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94150 94818 21288 35258 22746 91111 44771 51441 90615 92909
66230 75641 93368 03090 85394 25149 63680 95764 07926 60168
07542 91005 54123 92110 39037 61989 96516 23212 33103 36201
10734 80896 96830 09521 11079 13774 97165 13528 89467 55522
60990 85094 85910 86835 50019 85054 77836 54419 94605 93296
71509 14467 73019 12150 49706 03145 40694 29176 96220 60755
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83497 62240 90268 91575 57539 89614 68495 37055 98641 80158
86509 87934 54554 23586 32369 47526 49738 06864 27684 87340
87265 31508 83231 75572 20720 63087 30604 32652 76268 07828
18906 06547 13238 20495 36302 40215 65008 58626 18731 85958
80657 33544 33773 68917 23291 61165 25822 58131 79111 36262
17861 15751 68852 48353 56422 51988 79007 14695 70854 94451
59009 35843 60786 90812 61252 79961 74696 34058 87282 92153
82516 91110 88132 41725 06682 53721 97734 14314 52280 59553
37265 72472 53539 40005 89966 03155 37693 64883 64072 84313
61206 50312 87770 24278 26948 44814 72757 42959 07665 43328
86468 91762 70847 86957 53745 26749 27617 27127 41670 02701
54253 64693 62414 11300 57185 86536 82302 20781 00845 58096
42268 09813 69985 02969 30946 32203 03339 63853 14776 61867
80963 54774 06648 08952 73084 45501 01624 66581 86258 63217
75536 10565 23212 61371 30060 96512 87897 76470 67091 40411
62510 51976 42114 49567 01060 76654 21777 67878 56011 21541
23409 63762 12351 79802 21736 99477 58044 53462 38214 11684

84911 15721 34521 37627 82559 31702 86599 08613 72907 34433
44305 26868 96760 74363 99355 28987 12660 57080 07891 96428
23723 33745 10569 64717 39808 11773 98213 43409 39634 30581
38467 34435 38255 55407 55499 46789 17454 04486 67006 69356
90054 13164 94969 21577 77235 96539 67000 37986 80445 92748
86817 00964 45570 41785 87959 51165 05151 69803 97817 70786
33487 43189 68977 42326 95965 09869 88612 41353 18864 52566
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41637 47650 06667 96219 35868 46864 44185 52643 25611 67365
07827 25647 19121 27878 81216 78644 00890 07035 35300 77399
12380 06158 82310 44548 26013 63258 80225 22093 88562 58462
21004 92141 73905 14531 10929 63880 01505 93852 02665 59508
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66638 22082 53080 67148 46360 15784 51730 04580 16949 17335
77138 17037 04370 65901 00026 26260 52779 62204 18208 06880
31043 45139 56424 33444 31850 38065 20073 83858 22588 84450
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08400 00389 72069 05019 76327 00479 96430 98357 65994 47692
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31521 70908 51586 86886 06660 14422 22144 10113 79121 19994
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85662 36266 89872 69211 66567 46889 27045 34346 15454 37463
75634 09389 65704 69116 97234 37360 64763 35443 63016 77772
79768 04702 81042 88490 59885 00539 95871 32104 77192 63475
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87375 87796 94657 41657 44358 27507 14880 80553 03746 75859
97683 21328 39374 35050 94643 80959 55222 01381 09326 66028
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85657 15317 28358 01332 65790 53923 09779 84112 74824 33748
40032 79653 73047 54288 08752 92435 30644 42679 79445 17878
37281 18645 26146 01766 19535 15295 06203 36127 44653 02672
70915 15837 57248 76947 80370 35700 66580 55820 86186 08287
16700 06112 21409 20658 61946 76670 09340 60834 94493 97959
61326 67363 59937 26253 95095 67011 89170 56592 81796 50495
47719 73651 39459 72152 62832 24194 22404 96099 73917 73051
25854 74823 56492 71158 01177 31169 97235 05487 39818 42864
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46528 39987 74022 35690 60566 43047 66651 99222 57824 37752
54266 13240 86915 21442 72105 86502 10871 88778 25076 63926
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68294 91408 14249 60558 26522 85865 00800 20801 10592 58129
64516 47979 47662 02065 88597 92713 58451 20190 74586 54841
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85702 90068 78185 66946 99408 21796 36020 84707 50334 51827
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93721 32094 25270 88347 69138 02610 88932 38971 18514 21786
26825 68505 84754 39321 14317 99200 55706 42482 31911 68882
77365 02666 09380 31242 53586 19992 60416 25810 19846 08778
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12240 46517 77808 95189 36850 64144 80953 90330 38058 47898
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05903 00399 28007 67954 67523 53499 57897 31611 90283 83274
76530 57251 38285 21072 79171 53219 58499 43743 28586 43238
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71449 82909 02608 69307 19773 16786 03696 74833 23164 69672
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46239 76430 08579 96848 86014 96700 37558 86686 95363 16126
01646 58897 21466 12993 11824 93620 54642 68977 01298 62384
49523 83664 20578 58912 76882 62973 35471 09569 08140 99759
30272 06207 74520 32767 31050 95018 74329 05758 83291 23072
79227 17008 79469 07038 68025 07457 56294 58284 40109 39557
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19290 48883 85685 78225 83156 32515 04195 13540 90885 69425
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39166 24663 85791 60249 61842 51238 38460 83865 21185 72587
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33577 71949 83785 13466 77637 94626 63091 25435 16382 31918
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68454 27870 72377 91983 09337 60683 43676 28182 30997 93556
81587 44534 67181 48935 37015 05139 09565 83077 26432 76331
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95210 74448 90521 09172 72443 53925 26001 05607 57058 01921
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25212 14370 20502 89270 92393 98154 38303 34050 19761 60877
45364 46227 42935 78527 22346 19307 85074 13858 43877 93326
86983 90529 80625 81246 62792 20547 83475 35768 05369 74736
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01067 01571 93312 05780 17454 28654 13273 47101 43016 23769
88819 71031 03360 20875 62105 79314 62041 75525 35143 42026
15033 78984 57024 48696 23418 73336 29648 32232 82335 14947
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21408 86641 96238 02708 83026 43646 99173 07805 82917 71870
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08641 67574 93808 38469 74403 73660 10439 94253 47339 79810
17576 84393 52319 58922 23627 24761 01552 98880 06057 50444
25676 14283 73454 74113 19461 33835 97918 74048 54093 08248
36306 66574 30947 93887 71609 38939 20765 50207 05659 22871
09069 57231 70101 01034 82669 23311 25047 52733 46536 97246
74731 14618 63250 36405 36964 94356 94118 04245

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06629 00001 00000 10140

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01383 00384 83762 60250 84832 00300 26129 32003 08123 32893
42567 98430 72192 66535 78392 89396 50227 97219 41445 49054
52263 88943 27180 69310 59169 32238 67337 30371 05039 83784
80256 85104 68734 87326 30752 33899 85495 05574 34497 26737
18439 25592 54768 05831 26379 18785 23517 70553 75421 74558
28635 01524 00988 70021 00650 75222 41079 14451 01080 52594
32961 95756 26963 24337 52636 57462 29696 84864 35782 44492
04001 44653 62721 14708 30614 26670 34175 21348 42931 40383
08720 96783 54949 30480 55148 78732 84116 98711 86675 55529
92819 71043 04493 81902 93774 22681 98628 30430 53193 68916
89088 38651 34770 30929 70557 83981 38801 86278 39407 73979
41047 19730 71519 60696 43873 36177 40807 96481 69187 73902
73344 30983 98187 80252 51671 32956 40159 80817 20932 07933
28040 03744 68153 74013 51293 70068 62012 24020 59922 71166
39930 97836 59304 12695 14482 73089 99522 43796 38029 57596
81873 02147 61241 79290 95570 58105 40462 54516 79256 37600
43822 57982 65345 31474 45939 37302 50575 97505 08402 73803
74164 16786 36559 98020 33972 75506 71678 85491 65770 78580
33433 86360 32688 62235 26058 14783 32502 88862 78332 83187
29605 07384 33662 22321 27344 80947 32490 27829 66655 77078
21514 02017 34393 64224 73431 65086 65586 63220 45317 20063
86425 54969 88745 00676 04066 36348 05083 02010 05405 20046
94799 62700 08062 16213 44198 66668 72023 14237 70675 52023
43016 43848 18736 88590 57066 31415 61968 78563 79902 60971
60305 79280 43544 58378 06761 74634 18749 44086 18154 79884
66753 30480 22414 46709 82378 58800 82953 07068 10016 06763
83060 50338 81532 82183 77036 32577 36133 00043 33607 61644
74378 36630 11006 33332 58630 04408 08066 60683 08451 68461
36807 16826 86680 80789 85269 12535 21434 72025 06212 98263
48460 43788 58536 63038 67908 08855 86635 50240 31330 64183
38400 18584 00477 45402 94393 30023 08372 77970 86968 66859
39635 22270 08727 50462 68843 65124 55266 01754 08023 64510
21143 64206 93941 45344 24290 41701 78092 58866 76533 50784
28782 68804 79351 45267 30050 29324 27459 50678 96395 55146
04062 43462 85056 39351 58628 26190 35061 08074 94294 02783
53676 84981 42227 16819 43040 74193 24652 55131 21112 52692
52029 49405 01437 36183 38077 70719 42917 63459 19300 39519
37664 04587 05357 52876 60347 77679 79149 54589 86715 98098
06640 70017 64670 73749 97095 43799 43316

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01006 00473 63976 47301 92604 45029 17500 29131 08909 27892
75210 40320 63274 38426 72573 28757 96466 48439 69682 78537
52420 07902 35224 20385 64803 54258 98180 52607 94226 41691
11269 35642 50895 01039 74571 42128 18052 27477 56290 26567
51397 03872 51411 22152 59274 69710 84806 15509 44912 24594
27973 95289 71721 29572 99842 05657 51210 63591 82297 38346
46848 64892 34904 67216 16622 39567 89423 62234 63853 30445
10704 68988 92147 43114 27140 48547 56489 13071 61110 95092
69450 82671 07695 69631 13718 15979 63919 21322 01195 68913
90816 74460 44979 17943 79718 86503 68967 84193 05529 19706
80286 22571 51654 14467 13889 58983 03141 28606 02432 51294
49166 38238 82480 87404 68894 64175 57197 65271 53498 00643
75647 68100 61039 94938 39627 36243 24008 74203 63395 40635
79579 72294 07532 41403 14805 46878 31016 93226 55742 54733
12837 35313 18890 49899 19746 52578 91978 57574 49048 15542
29306 03696 30695 04886 44058 12185 61531 56714 74839 77644
34974 28936 65210 61796 71714 76870 30696 41076 72598 22015
33159 63969 09528 98764 87804 40334 49210 11139 75191 87048
44264 66434 25155 47853 11328 75882 41599 02655 97344 02620
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81714 09670 85574 93620 39645 34953 92778 30595 44716 51219
80119 52745 06625 82352 07603 93839 07171 14998 90363 23524
19752 62735 52923 13176 33492 70855 17438 49204 22623 40018
87080 05658 51885 04474 14116 25601 42465 50109 30331 01715
66077 14987 86713 27786 23783 17485 85491 50600 24713 71326
86189 66459 07758 41945 26239 18978 56745 72397 60128 68789
17514 43573 07972 04697 64137 74460 00859 02150 68236 82001
51373 57060 84665 88648 57446 04765 76021 25137 89392 16006
85363 66837 24491 51296 53828 20620 97899 09940 78234 95136
68854 70066 89980 61541 84199 22503 07014 82016 63647 49321
16626 83340 82363 42710 19952 29128 81793 19108 84497 21473
42956 31607 83004 44121 83424 50675 19082 56675 50867 43516
76560 90917 23915 73098 13146 81306 67079 23124 04448 34942
97749 94003 61489 40070 99378 02022 84472 81779 31343 24699
38826 78790 25442 56760 52079 37247 87061 45858 78115 33523
03421 50338 31148 20130 72760 25708 59425 09264 29564 38645
62047 58668 14660 49555 23723 48952 70117 42933 44741 81402
66202 37302 25331 26167 04690 97768 65475 67154 20919 75898
94243 21221 45008 70923 31521 47410 62854 41358 67309 73670
42596 75208 52214 92697 62651 80156 64129 75885 33037 03226
67128 44127 01116 96711 67320 66117 25007 04980 15440 74990
60231 92270 88344 53664 44400 40825 13660 43736 18034 76311
86096 28758 75623 71070 38806 90992 85086 32633 63515 24532
33638 89588 34116 17692 08769 43026

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07245 00299 74965 80561 90011 03524 57406 17235 73343 55094
49122 31306 20634 01603 19509 11443 54124 11811 22201 15188
92898 24751 29504 66556 66151 56076 72132 73443 55862 94644
92694 11908 58960 42742 25961 83348 66592 98329 21077 28752
73911 65377 73713 23953 70241 63216 73191 83037 01623 02671
34026 71344 32229 04877 96038 88262 36740 08409 14409 33934
31391 83962 61371 78698 62399 37213 72344 77891 75640 36159
44849 55793 90733 93448 41276 27521 51037 05551 96313 02934
82884 89093 71820 53190 60617 21349 79677 54083 46703 37698
46608 58183 83919 87142 97360 89948 04005 95013 61553 33027

90871 95299 07397 65462 57820 78231 80610 38780 63600 68516
37225 31189 12094 11474 51048 42296 12141 08181 18080 41050
57535 18261 31187 37942 89549 86664 71873 03591 96087 51327
23515 56022 43996 63286 12062 87584 81696 06357 95369 82385
40737 40897 90482 78185 00473 15419 46088 72444 36093 55063
77806 95823 76932 20503 75491 72610 64111 69453 75912 71154
06357 77019 42692 12273 45001 81201 87191 48807 99411 63462
60598 05783 12810 35694 00312 16637 27778 53000 37469 74129
40576 99427 67496 41023 73519 27691 79088 23493 87794 39451
23473 12242 30444 24214 76027 63717 98204 78208 33184 19270
28227 97280 73032 72629 94463 72023 83012 41238 20190 58853
44832 11110 31984 01782 30578 06929 09522 01669 38753 17310
02113 63697 61012 59960 39989 48356 75338 88595 59665 36593
18432 49568 19816 18198 45902 43294 26395 94865 46558 01495
44677 37850 03303 28940 94617 12362 80256 28661 93634 69098
54194 96534 39455 15874 17156 64529 36268 13072 32640 46107
96684 94415 81571 83595 40421 95262 91293 13785 55879 87283
80533 14656 55109 37257 72631 64262 60394 32071 65341 27627
68098 46676 94960 90566 82398 21896 10112 03942 01041 81372
07025 13322 62225 00450 04810 50260 56277 19706 88518 99353
21068 15752

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05497 00397 94065 84888 79000 38230 98381 41897 06468 90052
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37616 36069 61360 15562 10475 17659 87210 13091 12550 47716
52946 58735 15253 00139 13269 86060 60935 42729 43791 55264
38980 56053 44342 47660 88558 20013 41942 20516 93291 93426
47268 56239 83309 58262 46014 94664 33222 78503 74412 61341
51019 85290 29346 58751 37106 33867 04135 10906 92252 37846
28542 05190 56257 17467 04379 81561 91725 13699 27002 90461
75716 66694 19798 19123 00447 96705 75425 56990 54124 18604
52838 82431 68315 82448 04245 53689 26707 85590 10554 54690
15877 31035 28262 55444 64883 42078 99981 65841 53883 64451
02938 19522 51500 83950 85624 84323 65491 10222 58303 40400
58440 47144 56781 73648 85007 46109 36873 73807 13222 50689
54854 06135 03145 72310 74583 44680 38431 64353 54239 58368
96722 09583 03107 89671 15665 33315 30930 84364 96822 19920
88197 16484 27287 70152 96248 68731 74252 54613 70435 18773
05204 26173 52619 03193 09597 96802 16376 79188 09366 40943
45892 01138 55982 99933 43677 48857 44037 67109 57982 51692
15179 52508 76983 93300 62491 38369 78847 32991 76060 05852
70427 83816 93916 35465 53164 70548 56962 99912 80074 18862
16938 51741 74997 55879 74026 87058 60501 27352 26475 47391
24693 07143 96630 18743 03594 52694 49189 59317 40701 71226
17955 83384 03127 03514 70515 62075 07220 20516 46769 73127
91893 44124 87033 39120 34753 63436 77509 21104 19273 75431
77867 51494 06516 28669 81157 63283 87185 75172 31871 00469
21359 97644 59210 08847 00906 33553 48613 71483 85362 11951
79838 39984 80582 53346 55497 80568 20108 57509 83989 40156
75184 28084 40043 65269 93357 66459 76867 74457 22356 07232
74888 32047 88644 46299 51768 94248 84913 78186 38213 01199
14823 06026 35740 07322 95592 37882 70911 53169 73170 00588
43174 29675 91182 91713 25284 93273 57600 93939 15488 34446
56685 74155 49126 78130 37061 47790 51339 34282 01577 61248
95653 41911 19295 82789 25333 68157 82342 32721 69676 55475
95547 23698 01286 21767 64056 45212 40863 96930 21015 58494
36648 90972 62697 03767 44513 40666 56898 57609 70259 47801
86542 36628 51591 11922 04933 01252 10379 08392 66379 56125
00930 24878 24263 60012 38898 32987 72869 27359 14073 91847
06927 54407 13267 43082 24599 04681 79223 15528 38275 84665
12259 34732 62461 21874 68931 58918 72105 89362 16833 62803
34832 32470 30550 64888 57563 11769 66709 02684 64867 05425

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06782 00001 00000 00140

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04548 00351 75028 56950 32432 08240 29569 42476 91006 97791
92064 57691 41476 17795 33857 01299 52515 69558 34744 66669
53227 77951 17937 48396 85362 40184 68151 45296 81875 71340
01842 42251 30362 98044 49966 19361 91974 61062 52064 25525
22767 92181 99974 28799 96399 90948 66343 14843 33056 03313
08265 81487 23946 20752 30197 59142 85630 26632 71587 92247
40088 84271 60600 19666 95949 49813 27329 43431 67828 14496
09324 91452 17493 09219 43901 61045 77975 89137 51995 94413
73840 53307 12240 78561 63074 20353 18304 09609 67846 90822
33729 65341 89474 59816 85435 38495 31581 80308 32848 46585
63618 22912 47014 18559 93988 16812 63993 14727 76849 69151
81166 96491 74635 77172 18406 86779 72031 82037 56590 75595
31509 17720 75583 77004 80765 43981 01978 57676 23782 05406
29464 97666 56288 05410 30795 50928 06293 93679 84572 46262
56359 03576 32759 98694 09656 37236 90705 12301 41409 98655
66463 49542 23718 57252 15076 45898 47327 70009 37793 50007
14834 06316 90944 71442 39686 83498 40203 69225 46377 67477
80486 78350 97463 10328 19235 27933 84960 76888 67348 43528
53274 89675 16267 25125 38942 79920 73948 99035 90333 84895
03600 36282 55886 34565 31427 50043 12630 61315 59007 26156
97032 21480 65923 73930 18168 88111 52078 13389 38017 87141
60937 70438 02661 94263 96731 25158 90048 65818 32499 59764
09550 41166 78891 61480 63877 44203 22463 62898 78899 69191
15302 23644 17880 41191 46495 31794 23751 42336 06956 50830
27842 60558 61017 03191 23958 33161 33621 61621 37833 06269
59993 46810 28815 99241 16606 55865 42587 04443 10053 73964
65647 89178 34489 68824 71838 37292 52558 61468 47768 64936
01407 47712 58862 81668 31922 48990 80148 75699 37521 30716
10581 60841 25065 72630 09197 68491 94828 18637 24585 90628
89205 19307 32282 32991 85181 38662 26069 92191 31351 86664
80601 72152 13853 72895 04862 12281 87947 47145 67319 67614
75716 66887 66921 79335 63382 04806 64113 61858 59627 03347
42462 33921 36883 57138 75729 82099 15429 25870 96486 93258
22921 87955 44348 50855 50113 38428 46987 52168 67767 96914
80542 47683 51316 56969 14912 22318 52384 52945 69607 80374
74548 64210 32564 17651

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04135 00375 56449 24819 78216 82930 43835 22755 19724 16004
05547 52823 17045 12777 11231 73432 40349 25484 51573 86526
56845 62743 55511 29539 90015 24568 32891 50183 12693 39282
15550 70753 39813 72535 44474 56366 91804 73453 71453 37858
15780 91619 69668 52317 55093 85981 10765 00346 59329 26689
02287 79352 61524 47824 64966 59155 95646 26910 34802 53648
50038 93651 10062 80440 00454 63693 13010 44509 68302 54864
81626 66894 54030 13715 70746 65224 93074 03194 74445 04034
13802 32545 90853 86002 36995 36196 09228 91987 07569 85317
60719 64894 38650 17805 87819 22128 81557 89226 51862 91398
72971 66254 32043 04464 45062 35391 25322 47809 77077 99740
66080 92452 52464 30768 39845 17492 02797 24058 43444 64256
54465 21022 36940 82983 94143 16732 28244 36225 25894 48617
83666 03847 51330 83045 31062 47546 00502 86388 40940 01604
10874 61417 14909 07827 19237 68266 12430 07881 77958 70326
19330 57498 45781 87605 36933 51948 29314 49058 10319 28330
07147 89096 21914 28459 16074 62232 41122 69418 99705 92297
16989 16408 83117 41840 53382 93046 06112 29112 63745 25877
04302 20362 58265 55567 29287 26167 58064 63723 46111 79112
18232 51443 76068 12610 94455 21777 39502 86448 91752 57004

27144 43010 08175 85659 53337 02922 74380 03941 34223 43886
45836 00201 85311 84441 24027 86784 30830 66346 99171 89906
04167 77397 23307 20593 74065 65545 40338 70507 47383 31605
53543 19662 37359 06741 98732 61290 12186 72604 02230 26364
51785 54123 29500 02224 33275 18031 66130 91626 88581 07671
90945 73154 87275 01846 52837 49745 19703 87580 11594 87790
62582 03872 56556 02618 90341 26173 62840 78570 85707 62736
74597 58225 64116 72806 38120 50042 47897 21082 87317 56033
99414 48711 81925 39712 40658 80387 32385 35513 53903 48987
41586 24605 61009 14438 63781 47913 97565 26881 11882 07101
55189 87559 05919 25844 33072 32720 09038 14469 63725 02794
01848 98620 00263 55560 88375 13871 21945 16844 61958 09953
93786 27327 24666 36720 21149 49992 97214 49678 09025 90205
52475 21015 09199 80215 00844 11855 42791 56081 06639 07938
71349 17916 71787 51108 47138 42965 24341 05449 26062 49910
25967 80721 64921 01929 13313 27862 62892 69198 04694 83079
35504 59358 05443 73518 50317 80831 89420 20047 54716 76519
71078 65863 10205 54020 38602 75870 55539 66605

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09083 00375 73657 60505 76597 07031 39380 60873 98626 41301
65991 57974 94284 08663 55082 02972 52819 05043 47383 90948
88655 13531 32845 84267 04331 89600 76709 39225 29961 93700
43679 34356 47192 62711 95906 49808 05393 06695 80052 25582
62653 82720 64651 05937 44084 16286 44050 80948 03767 58342
00736 72779 59590 85795 42280 06879 17828 89389 56174 86995
30320 00155 30912 04925 97621 31634 10781 31572 12756 05274
97577 46124 24989 21801 28294 05935 48878 26907 40183 88044
45550 95760 35457 71618 92963 70898 74764 61396 20431 89027
31979 16003 50519 93056 95260 62497 51807 59725 08315 12449
05504 12477 68192 98491 60763 54610 47790 37788 57500 36344
57999 90919 49206 68129 41444 34559 64696 59293 11961 26722
56868 49384 11141 23727 73293 81573 95603 31931 26540 65795
54126 89152 18592 27733 82540 33073 27568 36964 10854 38353
23108 36976 03896 84085 31027 41059 66796 82389 51612 60701
97799 92513 47764 81591 55579 56118 01335 44464 25198 79188
59005 15858 11248 91703 82217 68846 72327 21472 85588 08370
06990 27732 48439 73606 03614 19892 45487 27055 92699 32234
14777 13214 80318 65838 67995 61612 41387 37000 72152 26421
31738 83103 11766 31664 79346 07249 25728 12192 01867 62180
68731 45324 96799 43241 53710 70067 44074 74156 77976 35687
10630 74278 51763 92962 64411 45791 35539 45408 23708 20605
27458 35327 49318 59167 76631 23886 15965 16774 94259 96363
94162 33295 25188 30518 63502 69452 16413 37076 12127 97926
17537 67229 59022 36465 15790 57459 31339 18802 67252 33554
71709 80318 88482 81261 34722 33403 96004 37632 66609 29824
54102 27299 79896 81612 41523 77333 49090 21245 29460 94958
29377 98462 33281 25780 03067 60227 76304 12853 43376 19172
92546 97161 49521 60704 24654 13844 44812 43926 95794 30098
73446 78779 70465 82302 43824 90236 87332 77408 94940 38455
08368 10093 89341 72292 04176 73246 47037 62701 78193 74494
57098 83151 94255 47437 37277 56939 77777 19191 56957 27679
32521 05164 25449 99361 21511 50597 27996 50977 81955 12829
72893 98894 17911 04921 10803 82452 07820 77227 56527 51407
66806 82109 65731 21300 72998 90294 84523 23027 45025 86884
12459 68141 20451 67261 05933 03204 84642 89978 50781 53578
45249 96058 80745 65363 01600 58203 65239 89333 36634 54823
49118 00550 62662 05550 60871 50411 39431 33013

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00829 00376 26777 95633 54011 00081 28005 65294 55987 39995
52630 98664 53085 22360 28338 88568 55409 16770 33329 12090
22878 30937 76387 36366 83417 53180 12985 44550 94731 30223

67275 22400 67128 78277 28866 82148 67567 61680 46770 77983
10013 03291 84283 66316 95061 07246 19429 34867 06652 61325
95428 88137 64222 22200 13367 08265 77090 90510 11106 00840
87094 82264 70552 15553 71628 30119 30534 73806 94401 36200
20000 94618 67889 55333 02966 19588 45552 99968 41193 76271
33751 77006 38897 33306 44903 78117 58166 44938 65808 10700
13856 77066 49473 47041 90887 27758 32727 67629 05577 64842
76609 44522 41364 70550 41422 00710 20048 08888 19225 93878
61611 77110 49217 35944 66087 09077 43366 37255 70749 92399
72061 84486 07886 73801 21132 41833 44233 21956 64455 75206
86759 77011 93381 76440 99550 88017 36552 68334 91880 44193
57878 49277 26602 71929 59088 36836 28849 13529 78852 81809
84291 95470 97778 13187 92779 92112 37625 66660 49308 99488
55464 98188 44432 44027 07009 83588 84737 72765 36382 77859
72525 75110 44373 26555 33520 22773 56783 36066 14713 84445
13084 31714 42004 82645 90913 91387 80141 80093 83669 07448
50500 68890 19036 92291 88727 60777 03845 82664 64909 75499
52097 56082 77146 00993 09283 09171 50096 71324 79665 69996
34218 01559 52947 64902 86404 23750 56184 61785 53112 15631
03446 04543 88095 28833 28447 03635 56083 52981 37827 72730
17937 75218 71156 39213 32307 57000 54567 41011 73361 81742
41290 08817 00528 13672 73228 48842 15942 54132 05987 64977
04604 43059 29561 49277 72052 47553 66986 48211 72534 05648
53086 97114 33496 06934 52059 58999 30402 13734 32595 29403
69181 15173 88422 71369 74339 94627 04015 75422 55704 79513
87691 00951 46993 72848 68116 74876 45656 21878 66159 84752
90013 06355 68475 67712 28656 44174 75319 93592 61612 14228
18540 02208 21537 76582 95794 89429 54635 58191 74936 77423
43538 91562 92506 93020 17956 51135 50020 60647 38807 77181
13343 08523 46574 47841 39388 62826 46696 20709 42713 30165
19308 10422 13810 41476 60973 85483 80412 70410 77053 78695
20240 87464 46940 89733 41213 98450 13848 75454 49756 77519
94052 14672 54785 84429 00885 10016 55633 73694 37193 32968
42733 33926 15478 44771 58115 33116 77752 51029 32046 32471
70721 79709 83592 60000 56940 25877 61582 56838 36716

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04634 00352 67348 02308 86586 29475 02059 25142 95535 54400
47802 92200 29715 54292 27338 97852 93478 15388 34581 75727
60646 36747 05103 21877 50922 11048 04467 80859 48509 27826
83404 65908 18408 83299 64311 99349 98830 09687 43982 51618
37131 40398 16318 61735 56100 39413 01185 25369 43306 62080
12106 54194 57881 24458 37866 99714 99425 45471 51384 75537
25008 21198 76631 67709 70994 81893 73792 46415 89979 27987
99020 83790 71405 82962 38595 20247 20429 43367 65776 11508
09863 79097 37553 86428 15719 29210 08026 93948 45433 64595
99923 53359 58302 68444 26609 15933 63765 48607 90739 74206
65620 54769 35388 15318 63058 28314 82788 74917 85861 17618
79285 56058 79693 39875 65674 45910 83644 90202 51989 41783
73866 79842 00982 25384 28063 45661 25488 02960 56353 22662
56481 71820 52626 91569 45887 55092 43708 22234 23369 87404
46421 33108 08086 27814 85309 43864 73664 18426 02769 80698
32287 73562 96617 48955 00339 85776 53787 10004 87254 17396
02825 79827 18564 63198 61136 07464 03432 88123 93986 10581
02201 61409 66833 64583 95361 40758 71756 73166 40073 84197
71995 07061 00110 75654 90374 82918 75202 03670 91229 60109
01305 33704 34979 05972 84579 66593 14544 44886 66676 77844
40432 85539 24438 92187 78497 70877 06728 32033 53593 59580
14020 80619 69929 03056 45400 95762 79636 42909 72823 78217
32260 99760 96893 33877 09275 68495 26430 60860 80003 28767
26214 26869 06490 62227 43765 86455 82621 08002 97155 19497
76189 43169 50075 31649 46089 20685 63774 31922 60571 88815
86956 71634 72061 88457 45584 40670 88645 90560 82911 10001

44446 45867 52028 24826 33366 87150 74129 07701 59290 58943
13140 71634 45752 53326 02028 89090 49685 65243 87786 88589
04721 94506 00288 91187 41810 54578 54806 18031 16643 03094
97808 92060 25089 87154 75049 30321 91139 25249 98282 58937
46555 56072 72631 01627 75674 15322 25881 18735 86429 56493
90984 23401 02773 94320 05280 49939 45578 60839 83014 78786
32343 56097 91057 56195 61133 21079 46544 58596 78276 71705
97949 24435 66960 28848 42034 48647 21875 98660 15513 26488
28696 36071 31601 60149 12109 74407 89286 30768 81873 25110
84742 30300 42234 19496 74235

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06974 00365 42504 66008 98583 55808 39203 78187 29325 69776
88161 32374 67869 55917 29971 88242 30491 74110 98697 21546
98166 94824 71717 16976 47506 06785 79344 43269 27522 28802
54226 04658 87372 06841 81707 36432 29698 18818 11534 70482
90878 59018 89269 03598 40267 25233 26422 22434 78663 02500
55589 65181 84121 24960 20877 10355 58823 25528 18502 91798
76463 95932 50665 00523 15549 83502 45000 61027 74208 93537
58543 11672 62575 28214 30666 39147 05555 68118 76708 22273
80362 56909 64605 25021 73211 89043 20535 62412 85963 71352
77608 04170 00316 19735 94018 94945 08352 88745 88047 56763
80231 65393 48225 85125 43956 43916 02606 55906 94293 81728
04800 90703 48818 96227 11436 19553 31326 25644 27311 26505
62967 82587 75063 02856 15928 54373 11356 42840 34195 35720
30795 16809 80069 19944 42041 14968 08684 79478 81064 29295
86437 64627 68117 04235 66551 86903 55350 04088 08299 74464
63618 82707 61434 61542 93795 97642 90329 45369 69196 89581
32560 59765 21711 58573 50933 87990 10634 28874 54186 96466
00869 51847 44579 98015 40067 98338 14469 70827 36303 29023
99021 07267 34540 59730 72100 48086 55373 18526 26148 44397
24637 63314 10281 91481 96733 26671 42916 09544 53301 78560
76269 26476 49900 11831 63594 11771 38128 63418 21474 95456
83173 19501 09065 40173 90559 25292 25224 61979 86471 02846
32616 92106 02725 09789 71828 47554 41565 53096 01281 13395
55421 04924 17526 57742 52753 72544 57366 22708 96135 60328
09958 91954 97051 30691 61223 05136 54248 70107 00921 71441
01447 80936 23072 50454 45943 84161 23751 40111 40002 16040
70205 85030 62136 08079 40034 78248 01974 51322 87418 18015
67925 02515 65843 26142 92886 40661 95054 72033 48565 66692
93304 71456 52175 29839 11948 74483 81851 67070 11798 68591
48793 17254 82705 80094 90122 24927 29817 88972 90655 82973
03161 02926 82688 82905 03515 98930 15093 96928 57567 05282
89105 51716 91545 73308 22734 98747 32855 32297 96129 65550
96395 34902 39523 18826 69220 50670 19808 85747 36018 67959
10843 06082 81376 65590 63531 90378 88767 69268 26323 13016
59390 84922 09503 06515 79483 97075 25708 09397 57360 91374
92070 97518 92841 25105 86577 68257 63401 63861 13685 52844
79121 29345 60909 89606 94438 83023 70338 05154

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14947/14407/13937/13434/12104/11532 kHz, 10-06, 1600/1610/1620/1630/1640/1650 UTC

01007 00309 81815 85298 95828 54773 68990 43543 92238 39885
56093 29471 81673 21389 44970 01834 66565 71853 55776 64490
94791 59467 57283 09759 33848 11203 58190 65788 45445 52672
30253 61009 67210 82242 09406 43236 78488 17998 98815 36071
31896 64108 00105 24867 54443 08992 09271 02072 38205 43202
25675 55119 89327 89697 29459 41317 47263 72056 51450 84625
96581 03201 98096 39566 09632 95083 62260 99430 11983 01733
23344 48567 73037 19704 32593 30683 59362 32416 55315 24856
01931 56117 27583 02243 26996 75133 71680 77511 52783 68087
95971 06432 66547 14189 39488 28694 66010 60538 15235 59358

46730 09840 90088 36471 19857 77107 82080 69622 57104 98775
81954 14847 16741 26593 82693 40464 75617 95853 12569 34497
23402 84747 46646 43894 05761 16912 82019 58847 80214 03898
64671 98823 17180 95955 78124 92089 66027 91110 82384 49887
93051 02058 20407 54006 86132 81124 89690 39953 31495 99023
53076 70156 47968 80736 35955 61982 63192 46194 30710 02945
95087 23233 89406 53206 34104 83130 97666 20784 48468 90602
74435 84505 13468 62680 41445 21344 64340 92639 57761 24635
27221 42065 27352 81190 50820 94513 50854 36442 60000 16142
28897 19833 60400 79438 54799 69818 12650 67200 19902 03001
83457 68905 91483 40891 24588 68569 56687 85286 39291 14611
97640 70552 88431 06074 75723 53021 95879 08216 02385 39589
32275 61223 60783 32326 61705 54601 24105 34029 07881 71625
08693 97139 72736 54759 41177 58314 50581 86459 56601 82250
37826 65566 97149 45388 18500 58343 31400 54326 03715 01777
73937 04434 64815 80312 70725 22233 08122 59157 79185 69985
44464 22658 77405 67665 05918 00501 97815 33672 64895 17408
02440 09420 51613 20133 01763 66707 64073 15394 13825 03362
23201 69778 30313 06104 97686 04258 32324 92423 84033 18944
50192 91422 07274 86615 37786 15167 88160 29483 39470 17999
60527 97727 89429 86

11 June: not monitored

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05604 00357 98747 56065 42034 04006 53118 77971 49035 10134
95237 72656 25715 88063 36554 21956 98070 61817 71116 12288
29334 25361 69434 27587 40585 31371 26436 49004 71653 58906
15964 85315 91626 97658 82765 14757 72175 81063 40954 59845
66369 26323 21553 99737 82160 86359 77788 51718 91439 58328
53759 86719 64399 76331 90602 45856 45901 71160 15479 10663
77569 04114 06317 90127 94169 09922 81029 28055 05298 21796
49779 17006 20862 11270 45917 03010 03808 69696 45425 54225
53581 74716 57563 13325 05147 29243 20915 15295 07055 36909
68854 01014 65583 30291 82275 62255 20005 31424 05567 72238
05329 49733 46420 69642 08548 36752 65856 53128 30413 87592
42048 76204 25735 61253 57080 02852 46549 92991 84979 64925
89005 65734 21000 68387 52941 48765 51421 90570 28994 83661
83004 72382 64128 73186 48895 03848 28296 87920 04776 68394
63385 67786 84880 19462 94860 92649 75278 04330 73209 79423
15705 27013 46444 40640 83232 39594 28732 78031 16701 59782
85329 75284 24134 46750 04587 69664 12075 52547 12357 53232
74555 58627 88214 16585 01540 21218 80852 01537 73526 60290
73485 47091 17361 49570 67955 55991 25937 23488 89953 09301
75114 50263 71219 44993 83063 88099 43652 38130 14874 25195
80573 22731 91972 19977 04867 57077 38797 29858 39100 62013
58741 27195 04504 56409 86295 38238 57923 74563 78793 48595
43726 88586 62592 03056 78116 24291 87407 43221 33520 13439
77565 42722 86662 48331 79716 50754 55117 97382 44702 10878
17193 96078 84386 27940 50559 47919 45758 14809 58696 44825
30176 69088 59335 66277 81467 91986 60137 88916 41859 80575
69668 95574 96337 25661 84446 16018 40531 56172 76692 35541
83119 60539 29860 67915 31402 47647 04199 34652 52496 30196
78531 72597 84524 88694 83262 08477 83386 20384 66863 87729
90615 66200 55522 64126 41208 21618 99739 58725 43492 34540
07387 89585 38116 23154 61705 69635 39227 91418 34875 33819
87786 25485 36420 11663 02043 97070 11050 07643 42397 75969
32631 20146 89307 88961 44925 16918 05016 65733 26706 09783
47907 45473 90058 17955 22808 88945 34481 61369 26888 13626
69249 91966 85508 33033 99941 65129 29780 43859 62083 44137
10568 92096 16327 67521 01908 87240 00277 49153 78228 30555

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06001 00350 13950 35248 05678 68254 05304 04688 15428 86194
46874 56004 11207 09238 04676 79024 68644 39917 70954 68132
74815 59556 02230 86701 92475 80552 32612 67084 45734 76479
94660 19632 23424 33817 23716 55497 22492 54626 27039 38290
14407 64548 01551 86975 88786 03484 30919 23119 57315 59550
80285 36724 00706 58645 52614 26790 97944 27247 42771 25124
35642 38219 58953 38947 91533 27241 32579 77388 85520 49177
56532 14018 12878 32664 53725 10267 58004 15254 97914 88991
49632 09493 09768 86182 96193 57936 18926 64777 81202 96925
57552 95243 11854 01914 02648 76186 05595 62603 95440 61544
70903 53529 37597 08137 03018 66266 23845 68041 04920 42347
68784 82689 29331 53779 75490 26148 28450 72769 42752 33597
08315 67801 96185 88594 91624 61288 02164 10964 30016 77537
04671 95400 19813 36369 18087 96102 71895 01631 83164 29926
34090 50883 59857 38855 28140 74861 65911 58073 26422 76498
47736 32824 19850 61843 53229 03102 57343 49002 16511 41729
64102 12880 38025 27381 37675 73383 62876 92961 34692 79387
54252 26818 89604 12826 99505 57430 07944 57329 60453 16762
95375 44089 84541 53516 29801 71845 75549 57968 83139 14985
38758 22893 85119 41434 65822 21210 12857 32475 01179 54756
11984 72949 22381 47033 22246 20917 43219 07024 62337 95798
95157 00013 88547 99747 46352 20012 28338 84507 97579 65828
97832 04908 09822 20707 40628 31358 41698 48169 47002 78295
44572 75467 56150 05696 04778 22426 21708 37507 31270 08884
28626 68525 95630 87340 19826 38745 34344 85370 95081 45809
92870 28349 34894 35350 56923 07076 63127 01673 06404 90886
79217 95048 60020 84040 51225 19689 43862 82850 94969 23926
98303 90829 53237 88695 37201 29306 09276 22481 00880 01883
97013 56326 53087 01192 85423 16223 40573 20799 48772 97700
59297 20034 31103 40382 29665 33577 08505 11589 36114 00137
94881 51493 90400 71154 47505 02041 75110 46198 98147 27616
97798 40646 00793 04520 93872 22890 41961 58827 98616 35001
79115 23062 34077 97267 64628 78268 59726 12854 59030 03624
20801 97685 86365 00742 07001 45520 65925 81932 53685 83382
41112 94373 22651 21155 99901 18651 19241 26582 46509 06774
91615 49676 34344

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03305 00385 35213 ... (too many decoding errors)

14947/14407/13937/13434/12104/11532 kHz, 15-06, 1600/1610/1620/1630/1640/1650 UTC

01007 00001 00000 10140

14947/14407/13937/13434/12104/11532 kHz, 16-06, 1600/1610/1620/1630/1640/1650 UTC

05116 00372 14383 52117 56119 73421 61921 19619 09344 04643
22562 66706 52798 88617 44424 02706 67126 22944 90420 34085
56283 77845 58726 64238 88152 55378 00234 34841 12873 09741
74325 01540 35036 82531 76982 94253 30762 40221 41161 21314
02420 09158 86127 62292 04402 96416 15927 05722 24796 77578
61539 48689 02081 21170 16236 75572 87055 50144 63963 00741
73186 27079 06746 99602 30317 21021 31669 70265 11635 50169
71942 26904 81781 69106 31665 47125 91716 96433 59835 91735
39451 94511 10045 35293 48200 25635 99458 13866 66294 01410
07198 80617 76257 40420 48126 75339 02411 86524 31974 83379
64746 45660 94086 74625 05636 34635 66906 32973 89504 69110
83854 90621 90307 72227 61288 78674 17034 71451 51402 04681
21562 17803 03970 10224 42971 91323 50646 41361 20979 56325
44713 05192 64458 76455 26988 93789 00424 35418 29657 13565
58728 66484 24360 97183 17554 16575 90309 04029 79130 69451
58304 30959 35122 27292 61817 46943 41689 83861 31654 14311
83987 25545 11994 33178 24397 78662 26162 13851 45238 67497
78249 81614 41794 37836 45952 55076 93441 06786 92668 26395

01014 46617 62229 51526 98020 13754 70068 37165 14638 80044
52100 16561 03764 15346 29576 33182 54490 91181 72785 38891
90412 76457 58789 11632 91201 76688 89164 97284 81339 06740
53500 34902 91192 05258 13296 37370 63314 60466 35157 10643
08593 88995 99212 65193 15397 61687 77850 26447 08259 12769
00586 02260 34000 53777 35982 24556 87826 50597 60324 21331
24588 72783 55825 07897 26543 17197 25368 98505 02049 92205
69867 94022 56024 62142 30297 01416 77243 93594 96233 29513
98837 62716 89024 68569 06154 51240 00902 37414 69275 88739
49543 12717 00142 13825 86053 35809 33170 91315 38650 98199
36319 79343 24397 16053 42901 06562 46234 71856 23480 34565
47311 94230 54362 30810 22493 61871 83757 87255 01742 75301
16294 87952 29230 13309 42662 57150 93880 42198 76087 94486
68245 85927 54944 98033 93193 19493 38318 72971 25667 99590
05005 29045 13934 34709 41427 55311 58353 69330 91331 24182
52050 45913 89572 63347 81904 48365 50113 11088 73389 85750
12681 04036 95767 28992 66319 61383 39285 56327 37616 03000
23552 10785 61588 02150 70296 87248 74018 94519 71880 87349
98795 24549 50866 51905 42435 22331 96353 91596 16128 44828
69378 27230 99580 39915 76406

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03841 00356 28121 68925 78651 53165 20813 17221 83847 46464
71979 43856 20404 74872 75776 20999 96485 10172 12364 43814
97941 76342 19609 89132 27284 58936 46872 63506 86179 95059
72407 89614 36354 30327 05040 01869 25132 88540 82459 08819
74798 17516 24122 90088 41702 59735 57007 57017 92857 65150
67482 83750 22325 84598 51370 42764 92421 38988 41640 19715
06293 57306 31040 88787 74055 82363 07501 90076 69831 73906
95866 07945 27712 03545 69015 80425 52219 29520 47430 67548
01929 89854 70648 21029 27577 88656 67289 51755 78956 62275
09446 86143 46900 62744 02526 17492 86475 35334 16033 59337
52233 66929 87185 18950 69283 59537 56038 18779 15582 70943
90544 62901 91556 74091 17786 16437 86657 10011 61209 85397
15074 55745 11119 07556 64460 09722 61044 64966 01019 51523
93949 16884 13487 88092 15314 34998 02669 51697 51744 68039
32618 48509 36172 08012 71729 46544 94586 72807 44958 86087
30834 76463 74124 30634 44262 96486 55809 79628 54488 59561
98491 91070 17760 64057 76993 73659 49414 03463 58776 82786
13768 34959 58266 93169 52779 66563 19572 03107 35825 17915
15134 88235 20008 14930 20689 17485 42759 82851 43829 18826
79187 23039 97207 92182 69546 41547 30749 72113 31017 98068
97128 91122 14031 62170 72319 95873 18197 80954 77854 77697
76914 52702 43803 36572 44426 10256 71061 02829 43368 59508
30900 66561 59632 39949 03599 90727 37750 66082 23622 11232
35814 47457 72089 37755 20786 24011 74204 57837 42610 24814
99287 61803 04997 66131 41911 26485 79235 60634 47755 59290
70484 27920 28745 71508 67168 30567 31489 74080 58570 81590
58123 52113 57331 66621 41883 29456 80612 06047 15786 20415
36051 13224 60217 18553 60220 69095 61564 93500 98036 77113
11492 77114 18327 64331 40746 07893 18712 00580 70586 90217
92520 00123 99265 61018 66690 47173 04471 38374 24247 12455
45872 73187 44848 27340 23238 57260 67702 10191 11288 98071
69001 37988 76042 81456 70098 81008 33786 92999 25875 33990
10744 80031 35460 25567 27893 35928 13957 99197 51862 13046
64624 23189 69252 85581 31241 38304 32266 90985 41092 83485
40190 08520 89291 72514 21216 54532 24079 17808 90919 85680
13387 11471 12499 90256 01711 65839 37726 19280 36066

14947/14407/13937/13434/12104/11532 kHz, 18-06, 1600/1610/1620/1630/1640/1650 UTC

04228 00390 43815 18631 45016 09905 49905 15543 98477 74259
56210 31075 09724 54676 71923 88551 86718 14974 11642 90350
47146 43602 15936 04976 52181 15229 66814 86537 78867 69759

90217 70295 71397 10269 85465 66969 37706 30833 29681 73409
01252 34865 08436 93458 34893 35350 67111 80550 26995 30423
39500 45151 41345 32050 23990 00532 64514 38839 66449 29786
43090 63366 36674 28718 84041 85914 59677 99454 69210 04954
50845 55885 85291 38231 89097 12281 35165 22476 70082 16830
48116 86262 59542 48444 30259 45065 28949 39347 86278 84933
02454 98866 64382 99894 30318 37885 98189 79717 09417 48977
75672 67656 11340 22040 79576 83613 59859 03114 42951 11708
65365 42037 68755 49618 81668 56827 03823 88228 98457 38975
56964 20329 13176 84275 02499 51977 91501 85395 07913 51212
14090 55446 13059 21104 41156 80459 74922 37501 68867 46644
85205 25835 96394 74569 19567 60416 30110 14764 18225 73490
34061 09961 81259 70440 92011 55342 54480 27063 19541 27599
92111 74462 95200 91738 97616 09919 28978 47651 08461 01208
81904 66321 19361 51812 53769 31129 23934 38605 64708 42082
21866 76737 67170 34421 17151 04129 74186 42617 29091 85812
25979 47858 17960 41267 54532 10743 30634 04656 76952 09648
31437 82458 06302 17016 91584 67738 90599 29446 16671 60882
31408 15874 62354 77458 05732 15374 07291 60778 74586 93487
35731 86359 18559 22647 75228 34045 48360 78092 97279 43025
00495 19278 61652 55060 10644 39407 70434 50153 42836 49411
13529 44739 25945 68208 54404 10105 85503 40501 35535 39157
03451 69854 30068 83463 73915 45076 63899 83653 41787 57539
19378 12506 32165 73644 60386 12130 54220 07294 66813 66324
44938 57137 17942 25175 79957 90990 60414 50350 68242 65123
48541 07859 42556 58121 39574 30639 89208 78187 81143 65566
75507 86780 08366 85296 30033 01022 12574 52299 07821 42274
55883 78209 73686 69210 94218 46313 51912 04892 03505 82923
84661 13548 15411 76663 08997 11518 69948 74042 34070 29747
22920 76031 26149 01246 90815 58156 48770 32645 95140 78935
78416 08114 42528 25967 09239 70330 34172 73345 63902 93260
78725 84315 74681 98218 80904 61958 71369 31702 76298 18515
31072 38530 18229 78073 19354 79851 52059 72439 78393 36061
97541 19267 09751 24569 04507 76547 71018 89442 67423 38665
77344 96602 10140 40808 51020 38603 01349 27929 20341 28857
86786 17067 56345 76625 47863 39885 89883 64454 06613 29387
18270 61732 77357

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06440 00001 00000 10140

15951/14521/13567/12127/11147/10421 kHz, 1700/1710/1720/1730/1740/1750 UTC
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15951/14521/13567/12127/11147/10421 kHz, 10-06, 1700/1710/1720/1730/1740/1750 UTC

01008 00396 80410 02639 69792 91544 32905 01399 53645 33809
38260 12984 67208 88310 62272 02218 79607 70476 44915 56944
35070 71848 30787 51460 12789 92294 15078 42509 70647 99845
97088 57095 67655 52498 99668 11072 34400 27908 59190 30687
03466 00191 95932 63771 82508 05474 38024 87097 43323 97776
56973 03314 87377 72006 94797 37753 17226 28949 89849 77497
76465 90395 30751 53799 36719 81164 45328 14710 88641 51200
67817 51699 11286 14227 53478 34878 75914 67015 68951 07314
54269 27979 99184 72869 42872 93773 69716 95647 57699 61915
93845 05451 38057 81691 54220 13069 69438 42133 27051 01344
60145 23314 98455 92122 29959 05273 92027 73150 18527 59919
61837 50210 59996 82534 23228 48486 91210 57880 10927 42944
11447 49679 57009 26726 57354 62365 13641 29593 60005 40409
65438 33781 39963 67607 47168 30955 29523 07061 42910 37598
01746 96564 77120 97779 00077 43635 45453 55521 58463 05734
21857 11558 31206 84106 89895 10466 66303 71729 34768 67592
91630 62433 13144 78117 94479 28056 10246 92388 35366 92271
18962 84149 14969 73327 41198 14881 72558 59229 26648 13718
16912 58119 71129 54270 18552 53880 02575 55855 77711 36702

64650 57793 72291 75317 45966 39311 83419 99001 03300 72020
33388 53064 20155 66190 86771 37707 96587 57877 42907 75013
37906 07074 45080 21049 50679 33511 91302 58873 59565 40598
25480 54389 14677 98663 27620 61167 11857 39651 27361 01886
31460 73555 55928 54627 80329 63847 37963 04938 67498 80843
57291 44697 12948 02697 98794 57576 12712 51242 24637 12454
48007 24546 39436 62700 46539 78997 38387 21490 38569 25603
25849 56936 30515 41020 43552 64350 51144 90452 40719 86831
95546 86364 91374 78720 83306 80782 41441 11979 99867 70043
48454 60614 15014 14906 53878 06914 34119 93227 08087 01332
25459 16473 66368 41894 54994 00355 14181 71926 59144 34444
06431 22259 10523 37804 16906 61642 33171 60715 79393 65756
37555 26408 21622 68525 77147 65233 41921 15608 87141 36638
30230 57916 82364 39386 61371 79073 19996 49479 23725 82950
66601 69514 52833 65422 63612 26195 50091 77208 97999 92234
73741 73402 13833 42330 63776 99050 94849 97841 64745 89759
58432 98571 84783 22506 04213 48513 39893 71135 76431 37832
41646 83691 36989 96441 99154 68040 73573 56198 04912 50952
15142 64711 17608 94905 62895 56827 44083 40034 75609 62320
84223 22153 84732 33965 24517 68028 84729 30327 61209 15098
86300 78954 00777 60167 50588 90049 36413 17391 74427

11 June: not monitored

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03398 00367 33520 18668 69975 01905 92889 94101 12333 03758
17696 62288 50621 62001 48586 52536 58783 57500 39563 27855
38329 75104 89995 74818 69099 08685 31317 46218 83896 27190
25537 64795 51939 11398 07901 68758 37664 73328 11523 06072
09896 28893 58792 09203 60162 02810 34900 39981 98581 06149
49103 73570 13677 80288 81200 86358 45283 58701 49567 61290
70586 46670 10204 85142 78220 52899 10349 39223 54100 79827
14872 85454 45976 33490 17959 09436 16312 80792 14655 66289
73784 91335 47635 77746 78085 51966 51118 71649 30197 21541
23474 78961 23761 50231 35484 63224 18688 73649 30982 07262
92460 95676 85880 18754 91276 63648 27593 80185 62329 71764
70046 64490 44045 83276 87505 79250 99034 32456 07056 26254
01781 38698 09025 32559 56352 35909 61692 95744 98004 54734
90746 42661 49809 07392 73828 78106 05455 28881 86469 14437
24373 70931 09320 58432 51493 58983 34915 40483 62725 56233
64189 86230 66592 04728 05481 53761 86650 53320 62400 55366
01955 31848 82179 07595 81016 27384 14680 36653 09448 09398
73795 70152 45986 92618 01881 30848 29378 50592 81064 97368
00994 21209 33018 41771 90543 04515 76068 45081 01911 20066
91455 52133 66480 31103 12481 92523 88750 01725 77414 24108
44302 98261 31034 53327 82437 94035 40244 73972 02847 74631
24383 36057 72255 65030 54372 80745 98828 40408 17050 76501
51315 69598 34741 89380 17941 21661 03672 14882 80136 09356
42097 27653 73177 56956 53066 02731 90173 79690 59333 96507
64270 02096 42234 27278 95682 55398 79877 01449 76730 31735
93694 48342 84673 00913 72792 74702 63519 41653 35385 60775
90363 25362 93834 93489 32534 96728 62878 15298 11964 51640
90570 19138 81073 20542 12231 49219 27364 07463 93696 62541
41783 02223 38151 48401 15660 93754 42978 72264 84163 78362
39210 48520 44304 98557 06143 38907 08260 48743 94743 98952
92518 64578 89484 25089 41164 74556 67267 64131 88681 23572
47338 56056 47955 72843 18991 88140 87209 45433 77828 38779
53750 90613 31134 33600 12430 42049 74833 82515 14398 73322
40958 78619 12719 94742 70022 77203 12737 13062 07237 41103
26486 78845 83581 60590 31024 83153 00565 71460 79565 18002
51697 62826 70913 55964 45202 01905 33444 55884 12659 99113
99721 84751 49733 15359 82613 68717 43337 53211 02821 37307

15951/14521/13567/12127/11147/10421 kHz, 13-06, 1700/1710/1720/1730/1740/1750 UTC

01087 00372 56730 70295 25852 68257 40613 53440 50134 49798
95812 24449 53902 17750 99257 84095 08875 77842 62923 85507
30194 55850 00009 62126 62881 30400 09166 39580 56282 80650
33657 56481 69587 25435 04408 21009 46962 92676 67520 96427
41560 08299 68369 26214 96954 70729 18694 49261 47951 67550
59966 47378 30167 21597 43043 50073 45352 94603 07413 95451
59090 01032 97157 69482 16141 39330 54850 28467 13341 78248
37133 17197 10322 66494 43947 21894 87479 73903 65170 92151
11705 59904 91626 88730 20684 86278 26313 48000 82390 44333
75656 52358 85263 72057 37336 40527 11141 98885 10073 57624
15879 90226 35919 69702 30417 42768 37056 63671 77649 21149
72593 71447 29432 15260 83746 99185 09404 08427 48798 29861
13017 06850 46075 69007 02591 84773 31933 38253 29158 03419
10753 88592 63830 07546 76272 20477 13985 21824 48312 77815
49112 62641 70349 61241 61739 04208 22926 70002 88320 38150
31123 02713 50087 80210 44606 09028 44151 66911 67111 45643
10834 98801 34513 74229 10395 83999 07617 20885 38987 62269
75199 87478 50114 70881 80638 50375 36499 84833 97267 98381
61847 61930 49931 91007 72295 08039 38504 83618 62938 67243
77325 57073 54812 12669 67080 50419 28127 96119 50845 87738
96590 01040 31015 26051 62949 43642 52598 79205 99570 94230
72427 59317 69642 68728 83795 48903 48870 43554 01934 02356
45494 23997 58946 71742 84942 18126 32666 37444 03801 30219
22247 40379 33887 09528 00791 60806 30915 23880 28058 28651
44440 59298 84046 68706 94714 18008 87429 86083 28872 18176
01549 84622 94084 48488 42244 72593 32093 59271 41107 44822
10977 15153 75403 69351 71983 32048 25328 60114 66937 22988
17977 24889 15446 73281 46915 85194 39949 90238 77026 66934
30696 56581 08572 85624 28670 36623 46184 85486 66283 29186
18713 71642 82771 83234 17674 40286 83894 14695 96721 62566
92677 27314 19146 05884 00187 76558 69176 20902 01574 56048
32643 51853 82243 73171 14126 64394 06581 89778 40681 34360
85953 39822 92830 37740 04275 46345 42216 32210 55607 06628
02333 25254 93515 14460 73256 03381 27435 02587 85336 52110
68446 25291 83921 11234 96552 66858 89398 08666 69008 53278
33704 94114 74013 62361 66612 52744 34483 81404 01609 53841
34342 36965 65293 94945 53748 07388 58337 67782 99914 00744
36959 03893 04341 88569 04505

15951/14521/13567/12127/11147/10421 kHz, 14-06, 1700/1710/1720/1730/1740/1750 UTC

06316 00351 78844 ... (too many decoding errors)

15951/14521/13567/12127/11147/10421 kHz, 15-06, 1700/1710/1720/1730/1740/1750 UTC

05921 00399 51833 94142 67814 28216 36408 78271 67268 73913
37422 45867 44010 48351 48463 89210 62294 45870 66515 35760
65479 08656 75732 71614 91869 69948 87947 28753 12484 90869
79754 44327 62655 30986 50480 95326 10500 72893 51295 11609
88658 56107 53176 52498 26270 95491 00617 60239 82982 81661
46104 90081 72498 65307 82926 80139 23534 80217 02273 97865
40268 07654 65787 76397 94158 93094 83210 13024 97870 53136
78710 89399 94574 54906 47100 09372 55479 23234 45344 96376
69330 27708 45770 30821 44765 89672 71828 97346 48058 70339
71792 30281 70619 53429 71339 81004 90318 76777 58338 33174
12280 87591 62367 29846 02950 56703 95505 17592 18207 73554
24660 00300 34873 05895 28534 12559 61883 34966 31632 04485
21266 85862 64964 27530 81342 48429 18780 41145 83565 66095
19052 78700 64894 12169 84096 81737 65339 15923 27870 88060
94165 54236 79139 74503 45678 71491 95407 64723 24894 58779
19121 55352 45145 53852 11908 26416 22627 34837 48502 54520
37922 54360 34025 52111 54501 45959 35405 22704 21798 46796
47219 45959 07095 43570 10319 67028 06723 90459 81850 09851
53021 54055 16251 24785 46974 63698 33555 11041 00260 57679

59110 30502 67420 73349 50138 39805 20210 27028 20002 99718
36086 72702 42925 78097 11560 73160 48257 01574 43533 44878
19693 32166 52985 38651 01499 83866 38109 09240 05136 90801
12404 24363 22443 64117 87684 16717 78537 33744 93431 70513
46818 79693 70457 82131 73763 80317 11130 38152 13225 73812
15441 31980 67506 55380 37986 26944 77515 28769 71849 66270
01695 10970 21891 29199 87314 11723 50258 78806 90411 94841
94622 14512 08142 73019 98059 39998 61707 70852 64886 21181
72735 99955 96014 31323 75360 80422 56855 67062 26131 60740
39200 49768 61894 27160 68817 35848 57802 41257 94816 62040
30058 32323 47740 18382 79189 00928 23838 94486 57319 97986
65235 06662 63881 50668 93533 01739 14955 90567 53838 06892
54866 83195 52674 29671 55640 44853 52617 80980 04201 62211
82195 20449 76035 02846 91121 40412 52215 77631 52133 74431
56583 62367 09742 28144 95503 32537 85886 11225 33626 67078
20893 67233 87418 87924 07173 46862 79647 18068 62740 34336
48310 42857 90284 95107 15791 44785 30626 61035 59546 53120
49523 37322 38434 79406 50307 92497 73452 24530 34166 23102
58965 41392 47354 37122 41317 14961 33030 88110 95671 44259
60764 34146 14890 17797 26121 13726 72081 14633 12353 50718
01911 24851 51678 80504 17555 83569 28799 08011 37616 14674
73408 21344

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04081 00389 03649 78067 29675 91631 85598 83718 96399 12793
60894 18520 19653 92369 95447 35340 93328 01825 11527 86265
03088 43207 90394 19793 54415 16766 11590 88689 14204 48220
72397 06499 65636 43371 73277 38384 87982 70935 39741 60974
01688 86142 63966 30322 97510 18519 93825 53676 30671 24594
95681 46506 77353 27844 85948 00588 88447 83855 23652 12909
80041 96907 69514 48178 40394 54395 52883 76280 19091 57062
47357 22393 62082 50552 84576 16944 79239 60071 22281 35896
22940 57913 58018 89609 52538 25891 29144 37792 57422 72689
49935 04126 47283 26832 80932 04779 16628 15788 89927 43115
65635 17545 34585 73607 77235 73287 84422 26801 43266 69003
21347 28376 61574 87754 89967 22127 38889 79904 95638 14503
25250 15090 18857 46400 07126 43231 75109 35250 69619 79796
00316 63451 70143 79165 70260 05395 23328 84409 12373 79250
41467 02343 94524 88418 51341 21559 42550 59527 36863 58804
65889 36722 20148 75423 17864 50544 98686 88183 66480 34004
98177 49172 57180 63469 68687 57895 58231 82408 17494 84572
98798 54478 67530 16388 73034 22907 20564 30438 95058 85565
00680 15582 98385 10814 13907 63592 43302 94718 61300 19716
06707 35143 17929 78368 81072 92294 45162 31055 19730 93445
63326 60141 42033 52289 60005 11410 69191 03759 02389 94956
29979 68248 93124 80913 33324 82594 50785 46365 49561 05095
14592 63512 21107 97777 77865 63654 36549 89161 35315 80738
77744 89508 10707 01612 22239 40537 73547 46095 50808 02497
94400 39542 92329 66343 89735 38457 42018 37014 45044 98476
41509 98795 81493 14635 78852 99813 39033 44255 74423 96350
74860 80028 68443 21649 17212 40470 57541 91511 58674 92785
09046 04689 95556 47064 10693 75049 71181 54763 08041 39407
21635 99533 44117 36838 39229 78947 08015 96070 22759 22424
01504 29292 71671 54457 27636 14371 71098 70680 49131 49265
80915 50506 78339 52257 89429 36819 03238 34428 03941 03803
28631 84269 36213 35015 74714 75325 35911 31605 82418 38263
32455 61470 68751 36250 91281 79753 33016 41099 19428 96321
03950 00501 05631 58775 58491 71128 21194 91858 47408 02410
75709 73585 92128 18956 93791 17233 93078 36656 79741 52309
78459 39493 88260 10868 16810 19445 81753 42088 60975 09676
00802 62138 15000 07619 99851 28130 78637 77436 76522 03586
54130 44051 84195 80008 62552 58868 69340 49795 42457 74047
86673 96359 61356 67117 17861 64456 12239 94762 41965 39046

15951/14521/13567/12127/11147/10421 kHz, 17-06, 1700/1710/1720/1730/1740/1750 UTC

05303 00355 69451 65094 16218 23639 46208 27821 84208 18358
 49254 59584 46040 89314 42223 16666 43146 40871 12586 66482
 31962 33591 23698 17271 34032 99831 00705 48517 52370 77416
 12983 94125 83518 82058 44134 66710 28506 70242 70486 73487
 67312 46974 62483 58881 32308 69911 95782 55804 83718 81699
 72177 41255 17995 50664 18244 69557 88255 52179 31062 16386
 22933 97689 75450 06791 05375 55128 76064 63980 45179 75512
 88158 72902 70384 39098 99169 84987 71106 64816 84961 64119
 04048 44899 64798 70669 05239 71726 76130 32853 63814 74576
 78453 76325 39180 54100 50553 69621 71522 55692 53505 77179
 93846 31801 10625 08205 93539 99273 70870 78895 51494 33256
 98449 23439 67216 66941 12337 78033 32891 04780 01552 33647
 78996 43210 00166 70602 97058 11832 33722 16284 88544 29547
 13464 15414 11310 07782 70272 72246 34274 56592 77128 05964
 00856 97233 81358 30557 76126 55013 09109 72237 41762 72518
 36729 66741 54139 19858 98181 50635 31635 40022 11146 81706
 65550 54586 90350 21946 19792 83034 12129 59434 96668 40090
 43759 76298 27651 95587 32791 81761 61851 69607 94474 42044
 02723 61484 74520 16025 92817 46721 61274 91451 09599 19636
 40610 94250 45446 95420 40412 46269 06883 59411 10765 93090
 42884 49673 75567 01672 28758 60430 39090 58551 87065 16420
 88783 62026 45546 69100 78983 04066 80064 74324 29128 73069
 21760 20676 49834 77032 99478 49507 30851 32229 55174 86521
 74877 02439 58842 01383 99159 53048 85915 72848 87266 32386
 07630 02722 04385 93178 30851 78583 48704 76344 16437 36346
 66203 32558 30282 37694 71330 22207 99838 98534 02192 79249
 29578 06861 03376 00544 41541 86344 03183 44162 69940 25934
 18149 07216 87056 96740 65438 19037 16291 56655 46180 20895
 00803 54506 15791 18828 20317 42319 72155 21147 30051 76952
 53209 87380 70655 08016 02808 00769 99345 03841 51637 44506
 75399 04541 06404 90502 18196 58987 45500 33541 72255 52293
 05916 43183 52354 81296 78446 75071 91069 84547 80225 99221
 14188 82034 14110 92987 72723 30768 36559 79040 93932 64669
 19690 12449 05017 01673 45494 96260 48102 25288 00631 61329
 96817 38614 48891 77757 71035 10026 35025 89358 29569 27735
 09698 14797 23615 52415 30318 93364 90429 12201

15951/14521/13567/12127/11147/10421 kHz, 18-06, 1700/1710/1720/1730/1740/1750 UTC

07922 00388 10694 60234 89802 13110 75407 64759 93377 06776
 97379 91125 39037 02525 55938 78571 76185 49598 82924 36554
 52669 30448 46721 96714 15150 50117 42630 52083 33110 02329
 81397 66096 57707 13567 00722 51710 18697 16853 34822 59443
 52212 91664 57517 72980 22452 58008 77027 20405 20572 32839
 79181 45884 07750 64872 15387 65260 30144 13979 45083 39685
 70478 23324 31649 91048 25377 31283 33418 25469 01802 04227
 59874 56331 14776 23480 84340 61004 72929 73739 74262 57141
 73088 22225 31510 00270 23146 35512 58346 92833 98179 35461
 21566 04718 74769 95136 88963 28888 60014 66468 47603 91168
 24590 51558 17602 16344 72963 22849 31107 84268 80530 54382
 92330 56404 39715 87940 66595 48253 91812 31378 67902 89864
 72935 40583 27289 66340 82660 55156 81560 19639 34515 55452
 00989 06460 26136 83092 32551 21530 03622 15165 27305 00296
 04404 74077 12303 43796 43130 65160 65001 86828 28541 40710
 37074 28636 98565 57737 18233 84005 24269 52260 33682 17807
 41287 11468 49752 25078 53392 85869 30268 56622 55389 45064
 44631 76646 04072 67605 85459 98857 28280 83491 23210 17500
 90154 94731 91097 93804 18377 72352 07894 68397 64859 48544
 97260 51360 81481 09498 59007 92935 24324 87223 90402 57259
 34891 08378 31438 83475 96077 60427 24563 30959 72276 19374
 55725 40776 29050 16182 27651 46555 20369 55947 06700 81039

77974 61870 91761 06844 47803 93269 95163 94573 08598 92523
74533 41055 93087 65949 82607 81775 63292 07622 97725 57949
47789 76934 96119 45484 92818 56483 22310 65299 81845 12452
72565 68375 80523 09363 79284 73020 16616 24594 35671 02808
65262 29988 22360 79752 44840 14669 47688 63099 33574 45875
83261 12747 58220 48749 33249 01039 65749 46276 14024 91319
70958 29864 12727 96144 19958 06157 60531 83723 86663 09586
65159 38698 71949 94917 92686 17800 54573 16367 00644 78148
08794 59209 31725 35970 29190 59817 10155 31773 76113 78245
07271 70338 10569 44351 31849 35398 17260 26214 59794 38683
54137 63963 76434 23987 80714 44562 40797 63302 56062 15449
46464 49382 45632 35875 82524 11748 98137 76756 66954 60139
96000 28757 07610 08418 02315 94820 28129 27597 63068 57288
00539 28358 56572 61959 24011 44830 82774 07738 55254 84626
19020 46852 75709 60664 31780 57888 24705 74693 61826 20100
37259 40503 59259 99653 42681 25371 56353 68015 21671 85893
16433 13199 00234 98773 14909 18105 92808 83671 11864 37694
40706

15951/14521/13567/12127/11147/10421 kHz, 19-06, 1700/1710/1720/1730/1740/1750 UTC

04399 00367 17793 62753 67896 26144 59415 78077 32310 96131
99336 28731 44611 03531 11211 38128 17659 26459 45977 97687
62272 19449 80117 19939 87335 12101 42438 35687 55881 87192
11132 72512 38035 40335 17304 97230 18711 83915 87868 78525
67294 00759 71905 29424 71013 78623 63409 95350 47437 73846
29684 23576 13888 46219 90163 36186 54478 97852 75417 55795
83704 23727 22195 45117 84999 26823 90694 04276 86226 13979
19416 33742 38589 67450 30392 61513 47543 50693 48925 08712
48690 47087 88248 82034 57507 87555 58623 91815 50170 81116
42752 20858 08498 32073 94819 43566 78563 26787 44424 44189
87927 59133 09123 33458 54430 95940 84985 46436 15826 28649
88642 03785 48927 66704 07105 36617 35478 40159 87608 97443
68198 98878 54104 05109 71226 98556 25244 06516 72629 86825
82949 20755 06268 04735 20784 89556 37963 54790 27604 61566
02569 12187 75989 21521 92472 38967 71929 41792 24967 58202
08087 38403 39178 46980 75989 89047 05028 04013 62231 55872
70696 78468 73805 28999 45698 67887 97515 44191 45920 17548
98652 80687 12555 26042 94873 56011 22889 32583 12636 32258
26626 83451 81548 14427 78737 44546 81575 59287 28744 31735
84527 33949 92557 71730 90869 24100 38380 46989 75821 24585
41450 27738 95870 07419 59549 27399 25848 13136 52105 19978
66158 72444 91376 29972 29245 87244 96919 59378 50261 01152
86310 38227 15447 14184 33019 64702 88128 40823 35172 70773
17631 75898 56760 88050 90807 98887 87579 74128 54876 51338
18697 68439 07182 08766 65576 12083 42572 62585 42485 03624
27179 79000 96727 74668 38274 03223 12291 81686 74399 94845
39269 85023 77963 81330 02346 90258 15683 03326 39164 30356
99664 22790 04502 98922 82454 17871 31045 06680 48607 20935
22130 25543 98336 31547 43594 38629 79170 82091 49776 87583
86596 05893 99728 60029 12068 33673 90474 25850 06419 75316
96399 39245 23421 12129 03959 04389 74498 97804 92213 20402
72177 05610 33078 53464 72715 13726 86685 46416 37736 63716
11088 33591 53549 51579 43758 93771 23061 44471 86853 48781
27395 05194 00261 73290 24534 82883 02121 86207 27587 39204
64130 81365 89876 29373 15406 80986 72813 46264 87313 98340
46986 44058 88113 42702 64228 62808 85695 71841 68369 10187
81326 30027 10950 43432 93006 66983 05349 59787 28929 61453

Various schedules

13418/12163/11477 kHz, 29-05, 1400/1410/1420 kHz

00272 00096 25956 94047 62498 46904 78693 50103 68238 76216
35592 68282 82727 82743 71854 27043 97631 43733 13684 29045

30634 01592 08231 89343 10219 06790 32290 09907 24447 69583
17487 72023 16525 60486 57117 55308 58446 28778 03966 93715
17705 18541 29206 96724 00499 07450 56661 76097 64772 32087
62184 66780 36275 48292 61714 60560 27237 36611 83827 55707
14613 68786 25656 98653 58729 63568 51756 22240 25625 16545
68595 68852 39766 19967 11340 12093 72385 11505 88844 02768
50127 56192 45134 92358 07398 50705 35748 68232 98770 96555
28070 21835 44949 48257 79102 48918 92884 30551 07161

13418/12163/11477 kHz, 02-06, 1400/1410/1420 kHz

Active

13418/12163/11477 kHz, 09-06, 1400/1410/1420 kHz

Active

12122/11504/10750 kHz, 09-06, 1430/1440/1450 UTC

Active

10643/11431/13439 kHz, 06-06, 1130/1140/1150 UTC

05095 00193 07538 77563 26548 25256 11382 21929 23356 82095
17191 00832 10656 07378 20518 12457 94906 63152 97939 51331
45891 03552 62287 71800 30335 62311 05472 81533 17415 17058
87595 12401 64931 14589 50666 77646 82312 77294 60012 01459
43044 22646 27798 46500 32732 93911 76036 26000 72176 61535
39628 05217 56174 09571 43885 02836 24741 35737 47227 64236
19783 29848 04513 06297 94499 04789 35900 96065 56711 42870
30143 17612 03140 96480 08286 23245 75753 15787 39067 36422
86273 79471 09356 55879 77428 82377 56226 55359 70703 47830
52905 46575 30066 95775 81674 13196 18132 21500 52000 27943
58010 79970 69287 29305 31391 22016 02077 59693 01285 20639
27081 08953 96669 10805 77961 40311 20491 48633 28867 12121
48562 80540 25362 08881 89964 83567 87545 07363 14805 95088
05112 54252 63785 11124 78410 06302 10183 80049 24487 55412
80300 96531 54074 50063 20748 43951 49905 19261 17813 41363
92704 69498 92631 39878 79379 77469 54608 60406 39340 47823
34470 94712 44887 06195 15527 72828 45167 85544 32393 71659
30127 40440 24145 73454 31820 52030 26465 75297 88131 46013
33662 68283 89549 73441 02384 35613 61619 23906 31743 00941
51693 49776 40709 76663 20942 01735

16144/15885/17435 kHz, 10-06, 1840/1850/1900 UTC

04047 00105 56967 49493 92606 89982 80230 22299 01133 98179
76297 78252 18983 57533 63868 43454 74430 99681 11507 42966
70572 32633 66053 17226 58220 23322 53167 36369 49147 92329
08521 59784 34102 98037 95068 62383 11250 38126 60579 49986
59631 25933 35661 66872 49311 36638 66723 51056 20448 33910
66905 77799 06292 36118 86241 22656 81145 39740 91272 69283
36814 43861 78150 09902 89657 16512 44149 20944 62464 01484
32204 36304 39101 61519 83333 44641 09071 02180 67913 21581
55698 02111 15889 15236 25424 30721 53491 97983 11795 72411
81237 71508 46853 91295 13171 15770 47780 13659 77214 32798
92488 45778 88591 18995 01706 30600 38697 06363

17417/14504 kHz, 02-06, 0910/0930/0950UTC

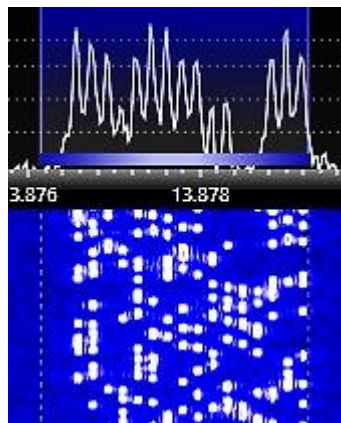
01677 00001 00000 37660

XPB1

19357 kHz, 03-06/16-06/17-06/23-06/24-06/30-06, 0500 UTC
18357 kHz, 03-06/16-06/17-06/23-06/24-06/30-06, 0510 UTC
17457 kHz, 03-06/16-06/17-06/23-06/24-06/30-06, 0520 UTC
15957 kHz, 03-06/16-06/17-06/23-06/24-06/30-06, 0530 UTC
14457 kHz, 03-06/16-06/17-06/23-06/24-06/30-06, 0540 UTC
13457 kHz, 03-06/16-06/17-06/23-06/24-06/30-06, 0550 UTC

13876 kHz, 04-06/1106/14-06/18-06/21-06/25-06/28-06, 1100 UTC
13376 kHz, 04-06/1106/14-06/18-06/21-06/25-06/28-06, 1110 UTC
12176 kHz, 04-06/1106/14-06/18-06/21-06/25-06/28-06, 1120 UTC
11576 kHz, 04-06/1106/14-06/18-06/21-06/25-06/28-06, 1130 UTC
10676 kHz, 04-06/1106/14-06/18-06/21-06/25-06/28-06, 1140 UTC
10276 kHz, 04-06/1106/14-06/18-06/21-06/25-06/28-06, 1150 UTC

20047 kHz, 03-06/06-06/10-06/13-06/17-06/20-06/24-06/27-06, 1300 UTC
19247 kHz, 03-06/06-06/10-06/13-06/17-06/20-06/24-06/27-06, 1310 UTC
18247 kHz, 03-06/06-06/10-06/13-06/17-06/20-06/24-06/27-06, 1320 UTC
17447 kHz, 03-06/06-06/10-06/13-06/17-06/20-06/24-06/27-06, 1330 UTC
16247 kHz, 03-06/06-06/10-06/13-06/17-06/20-06/24-06/27-06, 1340 UTC
14947 kHz, 03-06/06-06/10-06/13-06/17-06/20-06/24-06/27-06, 1350 UTC



Test / training transmissions

17418 kHz, 08-06, 0730 UTC
15937 kHz, 08-06, 0740 UTC
14487 kHz, 08-06, 0750 UTC

13437 kHz, 08-06/09-06, 1300 UTC
12181 kHz, 08-06/09-06, 1310 UTC
11572 kHz, 08-06/09-06, 1320 UTC
11157 kHz, 08-06/09-06, 1330 UTC
10449 kHz, 08-06/09-06, 1340 UTC
10288 kHz, 08-06/09-06, 1350 UTC

15831 kHz, 08-06, 1500 UTC
14807 kHz, 08-06, 1510 UTC
13963 kHz, 08-06, 1520 UTC
13399 kHz, 08-06, 1530 UTC
12117 kHz, 08-06, 1540 UTC
11467 kHz, 08-06, 1550 UTC

15891 kHz, 08-06/09-06, 1700 UTC
14671 kHz, 08-06/09-06, 1710 UTC
13921 kHz, 08-06/09-06, 1720 UTC
13399 kHz, 08-06/09-06, 1730 UTC

12168 kHz, 08-06/09-06, 1740 UTC
11416 kHz, 08-06/09-06, 1750 UTC

16302 kHz, 08-06/09-06, 1900 UTC
15804 kHz, 08-06/09-06, 1910 UTC
14529 kHz, 08-06/09-06, 1920 UTC
13485 kHz, 08-06/09-06, 1930 UTC
12109 kHz, 08-06/09-06, 1940 UTC
11514 kHz, 08-06/09-06, 1950 UTC

14904 kHz, 08-06/09-06, 2100 UTC
14421 kHz, 08-06/09-06, 2110 UTC
13484 kHz, 08-06/09-06, 2120 UTC
12214 kHz, 08-06/09-06, 2130 UTC
11514 kHz, 08-06/09-06, 2140 UTC
10414 kHz, 08-06/09-06, 2150 UTC

X06 variants

12100 kHz, 30-06, 0638 UTC, MFSK-6	654321 for 6 minutes
12100 kHz, 30-06, 0730 UTC, MFSK-6	Carrier only. Off at 0800z.
12100 kHz, 20-06, 0820 UTC, MFSK-6	123456. Off at 1140z.

DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

17440 kHz, 18-06, 1220 UTC, RFSM-8000
18455 kHz, 18-06, 1300 UTC, RFSM-8000
18515 kHz, 18-06, 1025 UTC, RFSM-8000
14755 kHz, 19-06, 0830 UTC, RFSM-8000
17440 kHz, 19-06, 1221 UTC, RFSM-8000
18455 kHz, 19-06, 1040 UTC, RFSM-8000
18515 kHz, 19-06, 1027 UTC, RFSM-8000
14755 kHz, 24-06, 0825 UTC, RFSM-8000
17440 kHz, 24-06, 1224 UTC, RFSM-8000
18455 kHz, 24-06, 1300 UTC, RFSM-8000
18515 kHz, 24-06, 1022 UTC, RFSM-8000
14755 kHz, 25-06, 0820 UTC, RFSM-8000
17440 kHz, 25-06, 1222 UTC, RFSM-8000
18455 kHz, 25-06, 1259 UTC, RFSM-8000
18515 kHz, 25-06, 1024 UTC, RFSM-8000
17440 kHz, 26-06, 1221 UTC, RFSM-8000
14755 kHz, 30-06, 0823 UTC, RFSM-8000
18455 kHz, 30-06, 1257 UTC, RFSM-8000
18515 kHz, 30-06, 1022 UTC, RFSM-8000

Diplomatic stations: Egypt

19667.7 kHz, 29-06, 1348 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington
19666.0 kHz, 29-06, 1349 UTC, CODAN	99901: MFA Cairo wkg 66601: Egyptian embassy Washington

Diplomatic stations: North Korea

14950 kHz, 17-06, 1614 UTC, DPRK-ARQ 600/600 LSB	Unid DPRK embassy wkg DPRK embassy Moscow
15500 kHz, 23-06, 1335 UTC, DPRK-ARQ 600/600 LSB	DPRK embassy Moscow wkg DPRK embassy Bucharest
16120 kHz, 23-06, 0925 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow
16120 kHz, 24-06, 0638 UTC, DPRK-ARQ 1200/600 LSB	DPRK embassy Rome wkg DPRK embassy Moscow

Diplomatic stations: Russia

16188 kHz, 03-06, 0850 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
18523 kHz, 03-06, 0858 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
14405 kHz, 04-06, 0858 UTC, MFSK-6	MFA Moscow clg 256341: Russian embassy Beirut
14631 kHz, 04-06, 0858 UTC, MFSK-6	MFA Moscow clg 362154: Russian embassy Athens
19511 kHz, 05-06, 0858 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
17517 kHz, 05-06, 0858 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
13448 kHz, 05-06, 0858 UTC, MFSK-6	MFA Moscow clg 162543: Russian embassy Nicosia
16028 kHz, 05-06, 0745 UTC, Serdolik v2	Russian diplo. Selcal
16028 kHz, 05-06, 0748 UTC, Serdolik v2	Russian diplo. Selcal
17521 kHz, 05-06, 0749 UTC, Serdolik v2	Russian diplo. Selcal
16028 kHz, 05-06, 0751 UTC, Serdolik v2	Russian diplo. Selcal
17521 kHz, 05-06, 0752 UTC, Serdolik v2	Russian diplo. Selcal
16028 kHz, 05-06, 0754 UTC, Serdolik v2	Russian diplo. Selcal
17521 kHz, 05-06, 0755 UTC, Serdolik v2	Russian diplo. Selcal
17521 kHz, 05-06, 0758 UTC, Serdolik v2	Russian diplo. Selcal
16028 kHz, 05-06, 0800 UTC, Serdolik v2	Russian diplo. Selcal
17521 kHz, 05-06, 0801 UTC, Serdolik v2	Russian diplo. Selcal
17534 kHz, 05-06, 0805 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi
17519 kHz, 05-06, 0809 UTC, Serdolik v2	Russian diplo. Test
16026 kHz, 05-06, 0814 UTC, Serdolik v2	Russian diplo
16026 kHz, 05-06, 0819 UTC, Serdolik v2	Russian diplo
17450 kHz, 05-06, 0911 UTC, MFSK-66	Russian diplo
18197 kHz, 05-06, 0918 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
15862 kHz, 05-06, 0925 UTC, MFSK-66	Russian diplo
17474 kHz, 05-06, 1000 UTC, MFSK-66	Russian diplo
20690 kHz, 09-06, 0826 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
13369 kHz, 11-06, 0742 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
14405 kHz, 18-06, 0653 UTC, MFSK-6	MFA Moscow clg 256341: Russian embassy Beirut
16115 kHz, 18-06, 1117 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai



X06 call for Beirut

13954 kHz, 20-06, 0827 UTC, MFSK-6	MFA Moscow clg 213546: Russian embassy Islamabad
16117 kHz, 23-06, 0929 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
13420 kHz, 24-06, 0747 UTC, Serdolik v2	Russian diplo
13420 kHz, 24-06, 0755 UTC, Serdolik v2	Russian diplo
13420 kHz, 24-06, 0756 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
17523 kHz, 24-06, 0809 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing

UTILITY ROUND-UP

Unid stations

5072.5 kHz, 10-06, 1802 UTC, CW. Logged by KX0DW-J

Unidentified MORSE 14wpm repeatedly sending "= ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789" with numbers sent cut as "TAU34567DN", repeatedly.

Unid Cyrillic morse

12300.7 kHz, 11-06, 0742 UTC. Cyrillic morse i.p.. Again a long transmission. Logged by TJ.

16300 kHz, 15-06, 1430 UTC, i.p. long transmission.

АЕТЫА ЧИЩЖК ЛТЕГХ МИНАЫ РОФТЖ ЦАНВМ СШИБП КЯТЕГ ЖНЛНА ДСОЮТ ПЫАМУ МЖЦРЬ ЙЗХТЕ ДПНЯМ ИЩСКЕ ТЙЗИМ
УНПЫР ЧФЩЖТ АДЙЗХ МИБВК ЕТФЦИ НАНЙГ СШЮБП ТАОФЩ ЖНЛЬВ ЗЕТЮ НЙГ СШЮБП ТАОФЩ ЖНЛЬВ ЗЕТЮБ АНАМФ
ГСЦЕЬ Е ММЯНВ КУМЕЧ ЕЫРДЖ ШИТЯЬ АЦИМХ МВКЛН ЕШЕГР ДПЦИТ ХЧАЫЛ НЖМУМ ЯНЕЦЕ ГСОЙЫ ДТЖТ И ЗЯНПН УМХМЕ
ЫАДСО ФТЯТП ЦИЩХМ etc.

10568 kHz, 20-06, 1750 UTC. Long Cyrillic transmission. Log and comments by VW.

On June 20, 2025, I found the UNID Cyrillic Morse station as mentioned in N&O 332, heard on UTwente Websdr beginning some time before 16:30 UTC and ending at exactly 17:50 UTC. Frequency was 10568 kHz. 5-letter groups, seemingly random but not quite. The station has a soft rule it enforces. Generally, there are no repeat letters within groups. Out of 71 five-letter groups only three contained the same letter twice. In truly random text within the Cyrillic alphabet you'd normally see one-in-four groups show a duplicate, so you'd expect to see maybe ~20 groups, give or take a few for normal variation. 3 is a significant outlier that points towards a different encryption method being used! Those that contained duplicates are highlighted in red below.

First ~3 minutes:

ТЮГЛМ ЯБХДЖ ЧЕШАК ЕНИЗР ЩЯТХН СТАМВ ЦИЫЮЗ АГЕНИ ДЖМПШ ЙКФЫЕ
МРЩАБ ХЬСЧП ТЙНУТ ИЗЛГЯ БЕЬИО ЕМАКФ НЮТЛМ РТИНС ЧАШЙЦ УЫЮМХ
ШЕБВЫ АОФМЖ ТЛЬЕЗ СШУДП БЯТИЩ ЕНРЬВ ГХШИТ АЫЕМФ ЩСНЛЬ АТИШЮ
НПКРМ УЩИЦА БЙМХО ЮНВЫА ЧЕЩЖТ ЛДЙМС ШЮБЕН

~12 minutes in

АДПКЮ ЩИТЙЫ ЛНЕШИ МЯВВН УГХОЙ НАТЖШ ИМЕЬА ЦЮЩСМ ВЫЛДЖ МЕТЯЬ
АТЮЩИ ЧЙКРН СШУГЯ НАРЮЩ ИТЙНА БЖОИМ
End of message, final groups.
МЕКРЬ ЙГЕШИ БАЫЯЧ ИМИТЛ ДЙМСТ ЮДПНЯ ЧФЩИН АЬВЗИ ОЕТВЫ ЯЧФТЖ
НЛНЙЗ ХМУНЕ КРЧФГ ЕЦРЬА ЗХШИН АТЯОФ МСТЕД ЙЗХШИ

Unid station a.k.a. New Buzzer

8365//6365//5365 kHz, 18-06, 1715 UTC

MFSK-11

14528 kHz, 18-06, 1203 UTC, MFSK-11

Unid Antivax station

7000 kHz USB, 22-06, 0550 UTC.

This station was first reported on the 18th. It is most likely the same Italian station that transmitted antivax messages a couple of years ago. The broadcast consisted of a message in Italian and in English.

Italian text:

Pericolo!
Vaccini autoreplicanti già in uso, salute globale a rischio.
Vaccini autoreplicanti trasmissibili da uomo a uomo.
Non assumere vaccini autoreplicanti.

English text:

Extremely danger!
Self amplified vaccines already in use.
Global health at risk.
Self amplified vaccines in infecting human to human.
Do not use amplified vaccines.

The Italian text translated into English differs from the English text.

Danger! Self-replicating vaccines already in use.
Global health at risk.
Self-replicating vaccines transmissible from human to human.
Do not take self-replicating vaccines.

North Korean military**4073 kHz, 01-06, 1548 UTC**

VVV 4DLVO DE 9AUX4 QRU ...
9488 9488 SK SK 0 0

EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

Frequencies: 4724, 8992, 11175, 15016 kHz.

30-06, 2203 UTC	Panhurst	30 chr EAM C7GQJH IQIHJXNH5KVTWADWFIE3MZCF
30-06, 2207 UTC	Panhurst	30 chr EAM C7KF5I 2NPXZT3GNCP02PU4A2XRF74J
30-06, 2213 UTC	Panhurst	30 chr EAM C7YHKM FLEJEFJASB3PNVFYSBYVSUZ6
30-06, 2221 UTC	Panhurst	30 chr EAM C7YHKM FLEJEFJASB3PNVFYSBYVSUZ6
30-06, 2229 UTC	Panhurst	30 chr EAM C75L4Y BGP6OJDFTGLL3K63W2DLGKNQ
30-06, 2232 UTC	Panhurst	30 chr EAM C7KF5I 2NPXZT3GNCP02PU4A2XRF74J
30-06, 2235 UTC	Panhurst	30 chr EAM C75L4Y BGP6OJDFTGLL3K63W2DLGKNQ
30-06, 2302 UTC	Panhurst	30 chr EAM C7KF5I 2NPXZT3GNCP02PU4A2XRF74J
30-06, 2304 UTC	Panhurst	30 chr EAM C75L4Y BGP6OJDFTGLL3K63W2DLGKNQ

RUSSIAN MILITARY TRANSCRIPTS

Morse transmissions

Russian Military morse traffic

8076 kHz, 23-06, 1250 UTC, FSK CW

Russian NDCC, strategic broadcast to Leningrad military district collective VD9B

XXX VD9B VD9B 87938 25791 PRIMITIW 5419 1102 K

CONTRIBUTORS

AB	Ary Boender, Netherlands	HFD-J	Hans-Friedrich Dumrese via remote rx Japan
AB-ARS	Ary Boender via remote rx Saudi Arabia	HFD-POL	Hans-Friedrich Dumrese via remote rx Poland
AB-GRC	Ary Boender via remote rx Greece	HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
AB-HNG	Ary Boender via remote rx Hungary	Hutch	Hutch, London, UK
AB-HRV	Ary Boender via remote rx Croatia	JPL	JPL, NB, Canada (and various remote rx)
AB-J	Ary Boender via remote rx Japan	KX0DW	Dave Wright
AB-KOR	Ary Boender via remote rx South Korea	KX0DW-AUT	Dave Wright via remote rx Austria
AB-KWT	Ary Boender via remote rx Kuwait	KX0DW-J	Dave Wright via remote rx Japan
AB-POL	Ary Boender via remote rx Poland	Lac	Lazycrypt
AB-S	Ary Boender via remote rx Sweden	Lazo	Lazo via Priyom
AVX	AlphaVax, Germany	Moon	Moonlight (Dave AU)
BR	Brian Rogers, UK	Pille	Pille
Carlo	Carlo	PY	Pierre Ynard, France and via remote rx
Dan	Daniel LU5EMM, Argentina	RL	Roberto Landolpho, Brazil
EW	Eddy Waters, Australia	RO	Rando One, Sweden
FD	Full Day Waterfall, University Twente SDR	Subilo	Subilo
Fspy	Feline Spy SWL	TJ	Trond Jacobsen, Norway
HFD	Hans-Friedrich Dumrese, Germany	TM	Time Machine

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	11-6	0742	12300.7	Wed	Endless Cyrillic morse	CW	(TJ)
---	15-6	1430	16300	Sun	Endless Cyrillic morse	CW	(AB)
BUL	18-6	1025	18515	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	18-6	1220	17440	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	18-6	1300	18455	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-6	0830	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-6	1027	18515	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-6	1040	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-6	1221	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-6	0825	14755	Tue	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-6	1022	18515	Tue	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-6	1224	17440	Tue	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-6	1300	18455	Tue	Bulgarian diplo	RFSM-8000	(AB)
BUL	25-6	0820	14755	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	25-6	1024	18515	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	25-6	1222	17440	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	25-6	1259	18455	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	26-6	1221	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	30-6	0823	14755	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	30-6	1022	18515	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	30-6	1257	18455	Mon	Bulgarian diplo	RFSM-8000	(AB)
E07	3-6	1500	14945	Tue	912 912 912 000	USB	(AB/HFD)
E07	3-6	1520	16145	Tue	912 912 912 000	USB	(AB/HFD)
E07	5-6	1000	17453	Thu	417 417 417 1 2825 121 2825 121 90406 26439 88486 ... 03591 38713 89344 000 000	USB	(HFD)
E07	5-6	1020	16137	Thu	417 417 417 1 2825 121 2825 121 90406 26439 88486 ... 03591 38713 89344 000 000	USB	(HFD)
E07	5-6	1040	14759	Thu	417 417 417 1 2825 121 2825 121 90406 26439 88486 ... 03591 38713 89344 000 000	USB	(HFD)
E07	6-6	1500	14945	Fri	912 912 912 000	USB	(AB)
E07	6-6	1520	16145	Fri	912 912 912 000	USB	(AB)
E07	7-6	1000	17453	Sat	417 417 417 1 2825 121 2825 121 90406 26439 88486 ... 03591 38713 89344 000 000	USB	(AB)
E07	7-6	1020	16137	Sat	417 417 417 1 2825 121 2825 121 90406 26439 88486 ... 03591 38713 89344 000 000	USB	(AB)
E07	7-6	1040	14759	Sat	417 417 417 1 2825 121 2825 121 90406 26439 88486 ... 03591 38713 89344 000 000	USB	(AB)
E07	10-6	1500	14945	Tue	912 912 912 1 5737 127 5737 127 33513 92539 37689 ... 27408 26506 83955	USB	(AB/Lac)
E07	10-6	1520	16145	Tue	912 912 912 1 5737 127 5737 127 33513 92539 37689 ... 27408 26506 83955	USB	(AB/Lac)
E07	10-6	1540	18245	Tue	912 912 912 1 5737 127 5737 127 33513 92539 37689 ... 27408 26506 83955	USB	(AB/Lac)
E07	12-6	1000	17453	Thu	417 417 417 000	USB	(AB)
E07	12-6	1020	16137	Thu	417 417 417 000	USB	(AB)
E07	13-6	1500	14945	Fri	912 912 912 1 5737 127 5737 127 33513 92539 37689 ... 27408 26506 83955	USB	(AB)
E07	13-6	1520	16145	Fri	912 912 912 1 5737 127 5737 127 33513 92539 37689 ... 27408 26506 83955	USB	(AB)

E07	13-6	1540	18245	Fri	912 912 912 1 5737 127 5737 127 33513 92539 37689 ... 27408 26506 83955	USB	(AB-KWT)
E07	14-6	1000	17453	Sat	417 417 417 000	USB	(AB)
E07	14-6	1020	16137	Sat	417 417 417 000	USB	(AB)
E07	17-6	1500	14945	Tue	912 912 912 000	USB	(AB/Lac)
E07	17-6	1520	16145	Tue	912 912 912 000	USB	(AB)
E07	19-6	1000	17453	Thu	417 417 417 1 8056 169 8056 169 01227 25085 40058 ... 04955 33813 01630 000 000	USB	(AB/Lac)
E07	19-6	1020	16137	Thu	417 417 417 1 8056 169 8056 169 01227 25085 40058 ... 04955 33813 01630 000 000	USB	(AB/Lac)
E07	19-6	1040	14759	Thu	417 417 417 1 8056 169 8056 169 01227 25085 40058 ... 04955 33813 01630 000 000	USB	(AB/Lac)
E07	20-6	1500	14945	Fri	912 912 912 000	USB	(AB)
E07	20-6	1520	16145	Fri	912 912 912 000	USB	(AB)
E07	21-6	1000	17453	Sat	417 417 417 1 8056 169 8056 169 01227 25085 40058 ... 04955 33813 01630 000 000	USB	(AB)
E07	21-6	1020	16137	Sat	417 417 417 1 8056 169 8056 169 01227 25085 40058 ... 04955 33813 01630 000 000	USB	(AB)
E07	21-6	1040	14759	Sat	417 417 417 1 8056 169 8056 169 01227 25085 40058 ... 04955 33813 01630 000 000	USB	(AB)
E07	24-6	1500	14945	Tue	912 912 912 1 8018 173 8018 173 68564 07850 78314 ... 87800 67031 50810 000 000	USB	(AB/Lac)
E07	24-6	1520	16145	Tue	912 912 912 1 8018 173 8018 173 68564 07850 78314 ... 87800 67031 50810 000 000	USB	(AB/Lac)
E07	24-6	1540	18245	Tue	912 912 912 1 8018 173 8018 173 68564 07850 78314 ... 87800 67031 50810 000 000	USB	(AB/Lac)
E07	26-6	1000	17453	Thu	417 417 417 000	USB	(AB)
E07	26-6	1020	16137	Thu	417 417 417 000	USB	(AB)
E07	27-6	1500	14945	Fri	912 912 912 1 8018 173 8018 173 68564 07850 78314 ... 87800 67031 50810 000 000	USB	(AB)
E07	27-6	1520	16145	Fri	912 912 912 1 8018 173 8018 173 68564 07850 78314 ... 87800 67031 50810 000 000	USB	(AB)
E07	27-6	1540	18245	Fri	912 912 912 1 8018 173 8018 173 68564 07850 78314 ... 87800 67031 50810 000 000	USB	(AB)
E07	28-6	1000	17453	Sat	417 417 417 000	USB	(AB)
E07	28-6	1020	16137	Sat	417 417 417 000	USB	(AB)
E11	1-6	1605	5231	Sun	233/00 Out	USB	(AB)
E11	1-6	1645	5082	Sun	369/00 Out	USB	(AB)
E11	1-6	1815	12229	Sun	922/00 Out	USB	(AB)
E11	2-6	0645	10508	Mon	411/00 Out	USB	(Lac)
E11	2-6	0845	12815	Mon	718/00 Out	USB	(Lac)
E11	2-6	1745	14410	Mon	247/00 Out	USB	(AB)
E11	2-6	1900	7600	Mon	644/00 Out	USB	(AB)
E11	5-6	0720	7984	Thu	432/00 Out	USB	(Lac)
E11	5-6	0845	19184	Thu	159/00 Out	USB	(AB/Lac)
E11	5-6	1900	7600	Thu	644/00 Out	USB	(AB)
E11	6-6	0600	9150	Fri	350/00 Out	USB	(AB)
E11	6-6	0700	8680	Fri	577/00 Out	USB	(AB)
E11	6-6	0715	12530	Fri	631/00 Out	USB	(AB)
E11	6-6	0720	7984	Fri	430/00 Out	USB	(Lac)
E11	6-6	1715	7863	Fri	975/00 Out	USB	(AB)
E11	7-6	0700	7377	Sat	498/00 Out	USB	(AB)
E11	7-6	1430	12984	Sat	915/00 Out	USB	(AB)
E11	8-6	0600	9150	Sun	350/00 Out	USB	(AB)
E11	8-6	0700	7377	Sun	498/00 Out	USB	(AB)

E11	8-6	1605	5231	Sun	232/00 Out	USB	(AB)
E11	8-6	1645	5082	Sun	363/00 Out	USB	(AB)
E11	8-6	1745	14410	Sun	240/00 Out	USB	(AB)
E11	8-6	1815	12229	Sun	920/00 Out	USB	(AB)
E11	8-6	1910	9610	Sun	617/00 Out	USB	(AB)
E11	8-6	2000	5409	Sun	521/00 Out	USB	(AB)
E11	9-6	0830	16335	Mon	188/00 Out	USB	(AB)
E11	9-6	0900	11116	Mon	537/00 Out	USB	(AB)
E11	9-6	1300	5737	Mon	313/00 Out	USB	(AB)
E11	9-6	1745	14410	Mon	248/00 Out	USB	(AB)
E11	9-6	1900	7600	Mon	644/00 Out	USB	(AB)
E11	10-6	0645	11092	Tue	512/00 Out	USB	(Lac)
E11	10-6	0700	8680	Tue	570/00 Out	USB	(Lac)
E11	10-6	0745	20640	Tue	220/00 Out	USB	(Lac)
E11	10-6	0820	17378	Tue	130/00 Out	USB	(Lac)
E11	10-6	1205	8274	Tue	466/00 Out	USB	(AB/Lac)
E11	10-6	1430	12984	Tue	915/00 Out	USB	(AB)
E11	10-6	1605	5231	Tue	235/00 Out	USB	(AB)
E11	11-6	0645	10508	Wed	416/00 Out	USB	(AB)
E11	11-6	0714	15720	Wed	346/00 Out	USB	(AB)
E11	11-6	0715	15915	Wed	752/00 Out	USB	(AB)
E11	11-6	0820	17378	Wed	131/00 Out	USB	(AB)
E11	11-6	0930	6923	Wed	271/00 Out	USB	(AB)
E11	11-6	1205	8274	Wed	464/00 Out	USB	(AB)
E11	11-6	1610	4783	Wed	394/00 Out	USB	(AB)
E11	11-6	1715	7863	Wed	974/00 Out	USB	(AB)
E11	12-6	0645	11092	Thu	512/00 Out	USB	(AB)
E11	12-6	0720	7984	Thu	438/00 Out	USB	(AB)
E11	12-6	0745	20640	Thu	228/00 Out	USB	(AB)
E11	12-6	1900	7600	Thu	647/00 Out	USB	(AB)
E11	12-6	2000	5409	Thu	525/00 Out	USB	(AB)
E11	13-6	0600	9150	Fri	358/00 Out	USB	(AB/Lac)
E11	13-6	0700	8680	Fri	575/00 Out	USB	(AB)
E11	13-6	0720	7984	Fri	430/00 Out	USB	(AB)
E11	13-6	0745	15720	Fri	349/00 Out	USB	(AB/Lac)
E11	13-6	0830	16335	Fri	181/00 Out	USB	(AB)
E11	13-6	1000	12153	Fri	308/00 Out	USB	(AB)
E11	13-6	1715	7863	Fri	976/00 Out	USB	(AB)
E11	13-6	1910	9610	Fri	612/00 Out	USB	(AB)
E11	14-6	0700	7377	Sat	492/00 Out	USB	(AB)
E11	14-6	1430	12984	Sat	917/00 Out	USB	(AB)
E11	15-6	0600	9150	Sun	354/00 Out	USB	(AB)

E11	15-6	0700	7377	Sun	497/00 Out Late start	USB	(AB/Lac)
E11	15-6	1605	5231	Sun	233/00 Out	USB	(AB)
E11	15-6	1645	5082	Sun	366/00 Out	USB	(AB)
E11	15-6	1910	9610	Sun	616/00 Out	USB	(AB)
E11	15-6	2000	5409	Sun	522/00 Out	USB	(AB)
E11	16-6	0600	21906	Mon	945/00 Out	USB	(AB)
E11	16-6	0715	15915	Mon	759/00 Out	USB	(AB-POL/Lac)
E11	16-6	0830	16335	Mon	182/00 Out	USB	(AB)
E11	16-6	0845	12815	Mon	711/00 Out	USB	(AB)
E11	16-6	1045	10210	Mon	698/00 Out	USB	(AB)
E11	16-6	1745	14410	Mon	247/00 Out	USB	(AB)
E11	17-6	0645	11092	Tue	519/00 Out	USB	(AB/Lac)
E11	17-6	0700	8680	Tue	574/00 Out	USB	(AB)
E11	17-6	0715	12530	Tue	631/00 Out	USB	(AB)
E11	17-6	0745	20640	Tue	225/00 Out	USB	(AB)
E11	17-6	0820	17378	Tue	132/00 Out	USB	(AB)
E11	17-6	0845	19184	Tue	157/00 Out	USB	(AB)
E11	17-6	1000	12153	Tue	300/00 Out	USB	(AB)
E11	17-6	1205	8274	Tue	469/00 Out	USB	(AB)
E11	18-6	0600	21906	Wed	944/00 Out	USB	(AB)
E11	18-6	0715	15915	Wed	755/00 Out	USB	(Lac)
E11	18-6	0745	15720	Wed	346/00 Out	USB	(AB-GRC)
E11	18-6	0820	17378	Wed	136/00 Out	USB	(AB/Lac)
E11	18-6	0845	12815	Wed	714/00 Out	USB	(AB)
E11	18-6	0930	6923	Wed	277//00 Out	USB	(AB)
E11	18-6	1045	10210	Wed	692/00 Out	USB	(AB/Lac)
E11	18-6	1205	8274	Wed	464/00 Out	USB	(AB)
E11	18-6	1610	4783	Wed	391/00 Out	USB	(AB)
E11	18-6	1715	7863	Wed	978/00 Out	USB	(AB)
E11	19-6	0645	11092	Thu	515/00 Out	USB	(AB)
E11	19-6	0720	7984	Thu	438/00 Out	USB	(AB)
E11	19-6	0745	20640	Thu	220/00 Out	USB	(AB)
E11	19-6	0845	19184	Thu	150/00 Out	USB	(AB)
E11	19-6	0930	6923	Thu	271/00 Out	USB	(AB-POL)
E11	19-6	1300	5737	Thu	312/00 Out	USB	(AB)
E11	20-6	0700	8680	Fri	573/00 Out	USB	(AB)
E11	20-6	0715	12530	Fri	630/00 Out	USB	(AB)
E11	20-6	0720	7984	Fri	438/00 Out	USB	(AB)
E11	20-6	0745	15720	Fri	349/00 Out	USB	(AB)
E11	20-6	0830	16335	Fri	185/00 Out	USB	(AB)
E11	20-6	1000	12153	Fri	309/00 Out	USB	(AB)
E11	20-6	1715	7863	Fri	970/00 Out	USB	(AB)

E11	20-6	1815	12229	Fri	926/00 Out	USB	(AB)
E11	21-6	0700	7377	Sat	492/00 Out	USB	(AB)
E11	21-6	1610	4783	Sat	394/00 Out	USB	(AB)
E11	22-6	0700	7377	Sun	498/00 Out	USB	(AB)
E11	22-6	1745	14410	Sun	248/00 Out	USB	(AB)
E11	22-6	1815	12229	Sun	925/00 Out	USB	(AB)
E11	23-6	0645	10508	Mon	416/00 Out	USB	(AB)
E11	23-6	0715	15915	Mon	755/00 Out	USB	(AB-POL/Lac)
E11	23-6	0745	9610	Mon	262/00 Out	USB	(AB/Lac)
E11	23-6	0830	16335	Mon	189/00 Out	USB	(AB/Lac)
E11	23-6	0845	12815	Mon	715/00 Out	USB	(AB/Lac)
E11	23-6	0900	11116	Mon	535/00 Out	USB	(AB/Lac)
E11	23-6	1045	10210	Mon	698/00 Out	USB	(AB/Lac)
E11	23-6	1300	5737	Mon	311/00 Out	USB	(AB/Lac)
E11	23-6	1900	7600	Mon	643/00 Out	USB	(AB/Lac)
E11	24-6	0645	11092	Tue	519/00 Out	USB	(AB)
E11	24-6	0715	12530	Tue	637/00 Out	USB	(AB/Lac)
E11	24-6	0745	20640	Tue	225/00 Out	USB	(AB)
E11	24-6	0845	19184	Tue	151/00 Out	USB	(AB/Lac)
E11	24-6	1430	12984	Tue	914/00 Out	USB	(AB/Lac)
E11	24-6	1605	5231	Tue	233/00 Out	USB	(AB)
E11	24-6	1645	12984	Tue	338/00 Out	USB	(AB)
E11	25-6	0600	21906	Wed	940/00 Out	USB	(AB-POL)
E11	25-6	0645	10508	Wed	418/00 Out	USB	(AB)
E11	25-6	0715	15915	Wed	759/00 Out	USB	(AB)
E11	25-6	0745	15720	Wed	343/00 Out	USB	(AB-GRC)
E11	25-6	0845	12815	Wed	715/00 Out	USB	(AB)
E11	25-6	0900	11116	Wed	532/00 Out	USB	(AB)
E11	25-6	0930	6923	Wed	275/00 Out	USB	(AB)
E11	25-6	1045	10210	Wed	694/00 Out	USB	(AB)
E11	26-6	0645	11092	Thu	510/00 Out	USB	(AB)
E11	26-6	0745	20640	Thu	225/00 Out	USB	(AB)
E11	26-6	0845	19184	Thu	154/00 Out	USB	(AB)
E11	26-6	0930	6923	Thu	278/00 Out	USB	(AB)
E11	26-6	1300	5737	Thu	316/00 Out	USB	(AB)
E11	26-6	1530	10356	Thu	268/00 Out	USB	(AB)
E11	26-6	1645	14575	Thu	335/00 Out	USB	(AB-POL)
E11	26-6	1900	7600	Thu	649/00 Out	USB	(AB)
E11	26-6	2000	5409	Thu	528/00 Out	USB	(AB)
E11	27-6	0600	9150	Fri	351/00 Out	USB	(AB)
E11	27-6	0715	12530	Fri	630/00 Out	USB	(AB)
E11	27-6	0745	15720	Fri	349/00 Out	USB	(AB)

E11	27-6	0830	16335	Fri	183/00 Out	USB	(AB)
E11	27-6	1815	12229	Fri	920/00 Out	USB	(AB)
E11	27-6	1910	9610	Fri	610/00 Out	USB	(AB)
E11	28-6	1430	12984	Sat	917/00 Out	USB	(AB)
E11	28-6	1645	5082	Sat	368/00 Out	USB	(AB)
E11	29-6	0600	9150	Sun	350/00 Out	USB	(AB)
E11	29-6	1605	5231	Sun	238/00 Out	USB	(AB)
E11	29-6	1645	5082	Sun	366/00 Out	USB	(AB)
E11	29-6	1815	12229	Sun	926/00 Out	USB	(AB)
E11	29-6	1910	9610	Sun	612/00 Out	USB	(AB)
E11	29-6	2000	5409	Sun	520/00 Out	USB	(AB)
E11	30-6	0600	20906	Mon	946/00 Out	USB	(AB-POL)
E11	30-6	0645	10508	Mon	410/00 Out	USB	(AB/Lac)
E11	30-6	0715	15915	Mon	754/00 Out	USB	(Lac)
E11	30-6	0745	9610	Mon	266/00 Out	USB	(AB/Lac)
E11	30-6	0830	16335	Mon	185/00 Out	USB	(AB/Lac)
E11	30-6	0845	12815	Mon	715/00 Out	USB	(AB)
E11	30-6	0900	11116	Mon	538/00 Out	USB	(AB/Lac)
E11	30-6	1045	10210	Mon	693/00 Out	USB	(AB)
E11	30-6	1300	5737	Mon	310/00 Out	USB	(AB)
E11	30-6	1745	14410	Mon	246/00 Out	USB	(AB/Lac)
E11	30-6	1900	7600	Mon	647/00 Out	USB	(AB)
E11a	2-6	0600	21906	Mon	944/00 Out	USB	(Lac)
E11a	2-6	0715	15915	Mon	751/38 Attention 86516 37257 32202 ... 97964 46698 21726 Attention (msg rptd) Out	USB	(Lac)
E11a	3-6	0645	11092	Tue	510/35 Attention 01063 13750 58845 ... 90784 82347 36260 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	3-6	0745	20640	Tue	225/34 Attention 99848 71118 31435 ... 21760 19064 28562 Attention (msg rptd) Out	USB	(AB/HFD)
E11a	4-6	0930	6923	Wed	273/37 Attention 16685 89362 73079 ... 10554 45165 59991 Attention (msg rptd) Out	USB	(AB)
E11a	5-6	0645	11092	Thu	510/35 Attention 01063 13750 58845 ... 90784 82347 36260 Attention (msg rptd) Out	USB	(AB)
E11a	5-6	0745	15720	Thu	340/36 Attention 63377 60657 61638 ... 42053 94185 19283 Attention (msg rptd) Out	USB	(AB)
E11a	5-6	0745	20640	Thu	225/34 Attention 99848 71118 31435 ... 21760 19064 28562 Attention (msg rptd) Out	USB	(Lac)
E11a	5-6	0930	6923	Thu	273/37 Attention 16685 89362 73079 ... 10554 45165 59991 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	5-6	1300	5737	Thu	315/36 Attention 75119 28206 94945 ... 16462 86503 78455 Attention (msg rptd) Out	USB	(AB)
E11a	6-6	0745	15720	Fri	340/36 Attention 63377 60657 61638 ... 42053 94185 19283 Attention (msg rptd) Out	USB	(Lac)
E11a	9-6	0845	12815	Mon	713/32 Attention 19528 00416 09099 ... 76563 86751 48993 Attention (msg rptd) Out	USB	(AB)
E11a	9-6	1045	10210	Mon	696/31 Attention 01925 23319 74001 ... 98851 69198 91840 Attention (msg rptd) Out	USB	(AB)
E11a	10-6	0715	12530	Tue	639/34 Attention 80284 82619 66535 ... 77566 05310 29592 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	10-6	1645	14575	Tue	335/35 Attention 93930 00338 59378 ... 70519 53726 20874 Attention (msg rptd) Out	USB	(AB)
E11a	11-6	0845	12815	Wed	713/32 Attention 19528 00416 09099 ... 76563 86751 48993 Attention (msg rptd)	USB	(AB)
E11a	11-6	1045	10210	Wed	696/31 Attention 01925 23319 74001 ... 98851 69198 91840 Attention (msg rptd) Out	USB	(AB)
E11a	12-6	0845	19184	Thu	151/32 Attention (too weak to copy)	USB	(AB)
E11a	12-6	1645	14575	Thu	335/35 Attention 93930 00338 59378 ... 70519 53726 20874 Attention (msg rptd) Out	USB	(AB-POL)
E11a	13-6	0715	12530	Fri	639/34 Attention 80284 82619 66535 ... 77566 05310 29592 Attention (msg rptd) Out	USB	(AB/Lac)

E11a	13-6	1815	12229	Fri	921/37 Attention 19443 02660 30153 ... 16668 12381 89996 Attention (msg rptd) Out	USB	(AB)
E11a	15-6	1815	12229	Sun	921/37 Attention 19443 02660 30153 ... 16668 12381 89996 Attention (msg rptd) Out	USB	(AB)
E11a	16-6	0645	10508	Mon	418/39 Attention 24201 15080 43006 ... 08833 90578 06733 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	16-6	0745	9610	Mon	266/31 Attention 71477 68100 88664 ... 07828 86482 07542 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	16-6	0900	11116	Mon	535/31 Attention 88301 92131 29124 ... 89748 10161 73239 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	16-6	1900	7600	Mon	643/38 Attention 15462 05659 39635 ... 51344 38462 49501 Attention (msg rptd) Out	USB	(AB)
E11a	17-6	1430	12984	Tue	910/35 Attention 91917 34718 24292 ... 57750 59454 95140 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	17-6	1605	5231	Tue	231/31 Attention 01131 88176 76724 ... 52242 66335 64414 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	18-6	0645	10508	Wed	418/39 Attention 24201 15080 43006 ... 08833 90578 06733 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	18-6	0900	11116	Wed	535/31 Attention 88301 92131 29124 ... 89748 10161 73239 Attention (msg rptd) Out	USB	(AB)
E11a	19-6	1530	10356	Thu	266/31 Attention 71477 68100 88664 ... 07828 86482 07542 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	19-6	1900	7600	Thu	643/38 Attention 15462 05659 39635 ... 51344 38462 49501 Attention (msg rptd) Out	USB	(AB)
E11a	19-6	2000	5409	Thu	522/39 Attention 53470 47163 06668 ... 96563 67581 17429 Attention (msg rptd) Out	USB	(AB)
E11a	20-6	0600	9150	Fri	355/34 Attention 66238 30111 23290 ... 72678 91145 47425 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	20-6	1910	9610	Fri	614/35 Attention 19284 39694 71955 ... 16467 72765 12240 Attention (msg rptd) Out	USB	(AB)
E11a	21-6	1430	12984	Sat	910/35 Attention 91917 34718 24292 ... 57750 59454 95140 Attention (msg rptd) Out	USB	(AB)
E11a	21-6	1645	5082	Sat	363/37 Attention 19999 95781 04978 ... 01412 97425 14038 Attention (msg rptd) Out	USB	(AB)
E11a	22-6	0600	9150	Sun	355/34 Attention 66238 30111 23290 ... 72678 91145 47425 Attention (msg rptd) Out	USB	(AB)
E11a	22-6	1605	5231	Sun	231/31 Attention 01131 88176 76724 ... 52242 66335 64414 Attention (msg rptd) Out	USB	(AB)
E11a	22-6	1645	5082	Sun	363/37 Attention 19999 95781 04978 ... 01412 97425 14038 Attention (msg rptd) Out	USB	(AB)
E11a	22-6	1910	9610	Sun	614/35 Attention 19284 39694 71955 ... 16467 72765 12240 Attention (msg rptd) Out	USB	(AB)
E11a	22-6	2000	5409	Sun	522/39 Attention 53470 47163 06668 ... 96563 67581 17429 Attention (msg rptd) Out	USB	(AB)
E11a	23-6	1745	14410	Mon	242/38 Attention 39338 71774 38448 ... 99040 85349 53488 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	24-6	0700	8680	Tue	579/31 Attention 72222 86406 94066 ... 75864 40879 35380 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	24-6	0820	17378	Tue	138/39 Attention 32904 61758 13597 ... 91369 74853 46079 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	24-6	1000	12153	Tue	300/37 Attention 22128 27047 24609 ... 44262 86952 91190 Attention (msg rptd) Out	USB	(AB)
E11a	24-6	1205	8274	Tue	461/38 Attention 03008 51009 99646 ... 38564 50509 10456 Attention (msg rptd) Out	USB	(AB)
E11a	25-6	0820	17378	Wed	138/39 Attention 32904 61758 13597 ... 91369 74853 46079 Attention (msg rptd) Out	USB	(AB)
E11a	25-6	1205	8274	Wed	461/38 Attention 03008 51009 99646 ... 38564 50509 10456 Attention (msg rptd) Out	USB	(AB)
E11a	25-6	1610	4783	Wed	394/31 Attention 27047 49943 38310 ... 78335 69740 06011 Attention (msg rptd) Out	USB	(AB)
E11a	25-6	1715	7863	Wed	977/34 Attention 97888 92040 80268 ... 20350 93452 17859 Attention (msg rptd) out	USB	(AB)
E11a	26-6	0720	7984	Thu	436/32 Attention 97621 58725 35149 ... 69309 05518 24045 Attention (msg rptd) Out	USB	(AB)
E11a	27-6	0700	8680	Fri	579/31 Attention 72222 86406 94066 ... 75864 40879 35380 Attention (msg rptd) Out	USB	(AB)
E11a	27-6	0720	7984	Fri	436/32 Attention 97621 58725 35149 ... 69309 05518 24045 Attention (msg rptd) Out	USB	(AB)
E11a	27-6	1000	12153	Fri	300/37 Attention 22128 27047 24609 ... 44262 86952 91190 Attention (msg rptd) Out	USB	(AB)
E11a	27-6	1715	7863	Fri	977/34 Attention 97888 92040 80268 ... 20350 93452 17859 Attention (msg rptd) out	USB	(AB)
E11a	28-6	1610	4783	Sat	394/31 Attention 27047 49943 38310 ... 78335 69740 06011 Attention (msg rptd) Out	USB	(AB)
E11a	29-6	0700	7377	Sun	490/33 Attention 41409 84925 73457 ... 85897 01191 24926 Attention (msg rptd) Out	USB	(AB)
E11a	29-6	1745	14410	Sun	242/38 Attention 39338 71774 38448 ... 99040 85349 53488 Attention (msg rptd) Out	USB	(AB)
EGY	29-6	1348	19667.7	Sun	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	29-6	1349	19666	Sun	99901: MFA Cairo wkg 66601: Egyptian embassy Washington	CODAN	(AB)
F01	27-5	1025	_9317	Tue	Messages 43 and 44	FSK 200/500	(PY)

F01	27-5	1035	7591	Tue	Messages 43 and 44	FSK 200/500	(PY)
F01	28-5	1015	11414	Wed	Message 45	FSK 200/500	(PY)
F01	28-5	1025	_9317	Wed	Message 45	FSK 200/500	(PY)
F01	28-5	1035	7591	Wed	Message 45	FSK 200/500	(PY)
F01	29-5	1015	11414	Thu	Message 46	FSK 200/500	(PY)
F01	29-5	1025	_9317	Thu	Message 46	FSK 200/500	(PY)
F01	29-5	1035	7591	Thu	Message 46	FSK 200/500	(PY)
F01	30-5	1015	11414	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	2-6	1015	11487	Mon	Message 48	FSK 200/500	(PY)
F01	2-6	1025	9374	Mon	Message 48	FSK 200/500	(PY/HFD-RUS)
F01	3-6	1015	11487	Tue	Too weak to decode	FSK 200/500	(PY/HFD-POL)
F01	3-6	1025	9374	Tue	Too weak to decode	FSK 200/500	(PY/HFD-POL)
F01	4-6	1015	11487	Wed	Message 51	FSK 200/500	(PY)
F01	4-6	1025	9374	Wed	Message 51	FSK 200/500	(PY)
F01	5-6	1015	11487	Thu	Message	FSK 200/500	(AB)
F01	5-6	1015	11487	Thu	Messages 52 and 53	FSK 200/500	(PY)
F01	5-6	1025	9376	Thu	Message	FSK 200/500	(AB)
F01	5-6	1025	9374	Thu	Messages 52 and 53	FSK 200/500	(PY)
F01	5-6	1035	7591	Thu	Message	FSK 200/500	(AB)
F01	5-6	1035	7591	Thu	Messages 52 and 53	FSK 200/500	(PY)
F01	6-6	1015	11487	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	9-6	1015	11487	Mon	Message 54	FSK 200/500	(PY)
F01	9-6	1025	9374	Mon	Message 54	FSK 200/500	(PY)
F01	9-6	1035	7591	Mon	Message 54	FSK 200/500	(PY)
F01	10-6	1015	11487	Tue	Messages 55 and 56	FSK 200/500	(PY)
F01	10-6	1025	9376	Tue	Messages 55 and 56	FSK 200/500	(PY)
F01	10-6	1035	7591	Tue	Messages 55 and 56	FSK 200/500	(PY)
F01	11-6	1015	11487	Wed	Message 57. Mostly unreadable. Ended with 25543 85858 57447 00000 +++++	FSK 200/500	(AB)
F01	11-6	1025	9376	Wed	Message 57. Mostly unreadable. Ended with 25543 85858 57447 00000 +++++	FSK 200/500	(AB)
F01	11-6	1035	7591	Wed	Message 57. Mostly unreadable. Ended with 25543 85858 57447 00000 +++++	FSK 200/500	(AB)
F01	12-6	1015	11487	Thu	Messages 58 and 59	FSK 200/500	(AB)
F01	12-6	1025	9376	Thu	Messages 58 and 59	FSK 200/500	(AB)
F01	12-6	1035	7591	Thu	Messages 58 and 59	FSK 200/500	(AB)
F01	13-6	1015	11487	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	13-6	1025	9376	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	13-6	1035	7591	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	16-6	1015	11487	Mon	Message 60	FSK 200/500	(AB)
F01	16-6	1025	9376	Mon	Message 60	FSK 200/500	(AB)
F01	16-6	1035	7591	Mon	Message 60	FSK 200/500	(AB)
F01	17-6	1015	11487	Tue	Messages 61 and 62	FSK 200/500	(AB)
F01	17-6	1025	9376	Tue	Messages 61 and 62	FSK 200/500	(AB)
F01	17-6	1035	7591	Tue	Messages 61 and 62	FSK 200/500	(AB)

F01	18-6	1015	11487	Wed	Message 63	FSK 200/500	(AB)
F01	18-6	1025	9376	Wed	Message 63	FSK 200/500	(AB)
F01	18-6	1035	7591	Wed	Message 63	FSK 200/500	(AB)
F01	19-6	1015	11487	Thu	Messages 64 and 65	FSK 200/500	(AB)
F01	19-6	1025	9376	Thu	Messages 64 and 65	FSK 200/500	(AB)
F01	19-6	1035	7591	Thu	Messages 64 and 65	FSK 200/500	(AB)
F01	20-6	1015	11487	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	20-6	1025	9376	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	20-6	1035	7591	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	23-6	1015	11487	Mon	Message 66	FSK 200/500	(AB)
F01	23-6	1025	9376	Mon	Message 66	FSK 200/500	(AB)
F01	23-6	1035	7591	Mon	Message 66	FSK 200/500	(AB)
F01	24-6	1015	11487	Tue	Messages 67 and 68	FSK 200/500	(AB)
F01	24-6	1025	9376	Tue	Messages 67 and 68	FSK 200/500	(AB)
F01	24-6	1035	7591	Tue	Messages 67 and 68	FSK 200/500	(AB)
F01	25-6	1015	11487	Wed	Active, too weak to copy	FSK 200/500	(AB)
F01	25-6	1025	9376	Wed	Active, too weak to copy	FSK 200/500	(AB)
F01	25-6	1035	7591	Wed	Active, too weak to copy	FSK 200/500	(AB)
F01	26-6	1015	11487	Thu	Messages 70 and 71	FSK 200/500	(AB)
F01	26-6	1025	9376	Thu	Messages 70 and 71	FSK 200/500	(AB)
F01	26-6	1035	7591	Thu	Messages 70 and 71	FSK 200/500	(AB)
F01	27-6	1015	11487	Fri	No transmission	FSK 200/500	(AB)
F01	27-6	1025	9376	Fri	No transmission	FSK 200/500	(AB)
F01	27-6	1035	7591	Fri	No transmission	FSK 200/500	(AB)
F01	30-6	1015	11487	Mon	Message 72	FSK 200/500	(AB)
F01	30-6	1025	9376	Mon	Message 72	FSK 200/500	(AB)
F01	30-6	1035	7591	Mon	Message 72	FSK 200/500	(AB)
F02	19-6	0505	14694	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-6	0600	13391	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F03j	5-6	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-6	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-6	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-6	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-6	0700	7749	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-6	0705	7749	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	0430	16125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	0435	16125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	0615	15905	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	0620	15905	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	11-6	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	0950	10125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	0955	10125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	1100	8186	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-6	1105	8186	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-6	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-6	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-6	0700	7749	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-6	0705	7749	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-6	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-6	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-6	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-6	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-6	0700	7749	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-6	0705	7749	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-6	0850	12229	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-6	0855	12229	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-6	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-6	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-6	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-6	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0615	15905	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0620	15905	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0810	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0815	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0950	10125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	0955	10125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-6	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	17-6	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	0850	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	0855	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	1100	8186	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-6	1105	8186	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	0615	15905	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	0620	15905	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	0950	10125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	0955	10125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	1100	8186	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-6	1105	8186	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-6	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-6	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-6	0700	7749	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-6	0705	7749	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-6	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-6	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-6	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-6	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-6	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-6	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	20-6	0700	7749	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-6	0705	7749	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-6	0850	12229	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-6	0855	12229	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-6	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-6	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-6	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-6	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-6	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-6	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-6	0810	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-6	0815	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-6	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-6	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-6	0950	10125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	23-6	0955	10125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-6	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-6	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	24-6	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	24-6	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0810	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0815	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	1100	8186	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-6	1105	8186	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	0615	15905	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	0620	15905	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	0950	10125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	0955	10125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	1100	8186	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-6	1105	8186	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0700	7749	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0705	7749	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-6	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-6	0700	7749	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	27-6	0705	7749	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-6	0810	17410	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-6	0815	17410	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-6	0850	12229	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-6	0855	12229	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-6	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-6	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-6	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-6	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	0810	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	0815	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	0950	10125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	0955	10125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-6	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	2-6	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-6	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-6	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-6	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-6	0615	10690	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-6	0620	10690	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-6	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-6	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-6	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-6	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-6	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-6	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-6	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-6	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-6	0530	14975	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-6	0535	14975	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-6	0615	10690	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-6	0620	10690	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-6	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-6	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-6	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-6	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-6	0530	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	16-6	0535	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-6	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-6	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-6	0615	10690	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-6	0620	10690	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-6	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-6	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-6	0615	10690	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-6	0620	10690	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-6	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-6	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-6	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-6	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-6	0530	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-6	0535	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-6	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-6	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-6	0615	10690	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-6	0620	10690	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-6	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-6	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-6	0530	14975	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-6	0535	14975	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-6	0615	10690	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-6	0620	10690	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-6	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-6	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-6	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-6	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-6	0530	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-6	0535	14975	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-6	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-6	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	29-5	0700	11163	Thu	11166 70202 28146 28043 01339 and 11166 70202 29146 28044 02379	FSK 200/1000	(PY)
F06	30-5	0700	11163	Fri	11166 70202 96741 29029 00049 00000 00000 00000	FSK 200/1000	(PY)
F06	1-6	1530	20945	Sun	11166 10053 25813 01078 00049 00000 00000 00000	FSK 200/1000	(AB-ARS)
F06	1-6	1540	17515	Sun	11166 10053 25813 01078 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	1-6	1550	15677	Sun	11166 10053 25813 01078 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	3-6	0700	11474	Tue	11166 70202 61524 02046 01879 and 11166 70202 14358 02047 01959	FSK 200/1000	(PY)
F06	3-6	1650	20889	Tue	11166 10053 32147 03001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	3-6	1700	18051	Tue	11166 10053 32147 03001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	3-6	1710	16087	Tue	11166 10053 32147 03001 00049 00000 00000 00000	FSK 200/1000	(AB)

F06	5-6	0700	11474	Thu	11166 70202 38156 04049 01239 and 11166 70202 38746 04050 02259	FSK 200/1000	(AB/PY)
F06	5-6	0710	9234	Thu	11166 70202 38156 04049 01239 and 11166 70202 38746 04050 02259	FSK 200/1000	(AB)
F06	5-6	0720	7461	Thu	11166 70202 38156 04049 01239 and 11166 70202 38746 04050 02259	FSK 200/1000	(AB)
F06	5-6	1330	16351	Thu	11166 80214 82691 04055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-6	1350	10169	Thu	11166 80214 82691 04055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-6	1354	12109	Thu	11166 80214 82691 04055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-6	0700	11474	Fri	11166 70202 65817 06054 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	6-6	0710	9234	Fri	11166 70202 65817 06054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-6	0720	7461	Fri	11166 70202 65817 06054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-6	1530	20945	Sun	Wrong 500Hz shift	FSK 200/500	(AB)
F06	8-6	1540	17515	Sun	Wrong 500Hz shift	FSK 200/500	(AB)
F06	8-6	1550	15677	Sun	Wrong 500Hz shift	FSK 200/500	(AB)
F06	9-6	0800	10198	Mon	11100 00000 43952 06093 02039	FSK 200/1000	(AB)
F06	9-6	0810	8082	Mon	11100 00000 43952 06093 02039	FSK 200/1000	(AB)
F06	9-6	0820	6833	Mon	11100 00000 43952 06093 02039	FSK 200/1000	(AB)
F06	10-6	0700	11474	Tue	11166 70202 24685 09052 01359 and 11166 70202 39715 09053 02239	FSK 200/1000	(AB)
F06	10-6	0710	9234	Tue	11166 70202 24685 09052 01359 and 11166 70202 39715 09053 02239	FSK 200/1000	(AB/PY)
F06	10-6	0720	7461	Tue	11166 70202 24685 09052 01359 and 11166 70202 39715 09053 02239	FSK 200/1000	(AB)
F06	10-6	1200	10762	Tue	11166 70202 24685 09052 01359 and 11166 70202 39715 09053 02239	FSK 200/1000	(AB/PY)
F06	10-6	1210	8191	Tue	11166 70202 24685 09052 01359 and 11166 70202 39715 09053 02239	FSK 200/1000	(AB)
F06	10-6	1220	6782	Tue	11166 70202 24685 09052 01359 and 11166 70202 39715 09053 02239	FSK 200/1000	(AB)
F06	10-6	1650	20889	Tue	11166 10053 13579 10078 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	10-6	1700	18051	Tue	11166 10053 13579 10078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-6	1710	16087	Tue	11166 10053 13579 10078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-6	1200	10762	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06	11-6	1215	8191	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06	11-6	1230	6782	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06	12-6	0700	11474	Thu	11166 70202 41835 11055 01759 and 11166 70202 10846 11056 02039	FSK 200/1000	(AB)
F06	12-6	0710	9234	Thu	11166 70202 41835 11055 01759 and 11166 70202 10846 11056 02039	FSK 200/1000	(AB)
F06	12-6	0720	7461	Thu	11166 70202 41835 11055 01759 and 11166 70202 10846 11056 02039	FSK 200/1000	(AB)
F06	12-6	1200	10762	Thu	11166 70202 41835 11055 01759 and 11166 70202 10846 11056 02039	FSK 200/1000	(AB)
F06	12-6	1210	8191	Thu	11166 70202 41835 11055 01759 and 11166 70202 10846 11056 02039	FSK 200/1000	(AB)
F06	12-6	1220	6782	Thu	11166 70202 41835 11055 01759 and 11166 70202 10846 11056 02039	FSK 200/1000	(AB)
F06	12-6	1330	16351	Thu	11166 80214 35487 12094 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-6	1350	10169	Thu	11166 80214 35487 12094 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-6	1354	12109	Thu	11166 80214 35487 12094 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-6	0700	11474	Fri	11166 70202 85347 12067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-6	0710	9234	Fri	11166 70202 85347 12067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-6	0720	7461	Fri	11166 70202 85347 12067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-6	1530	20945	Sun	11166 10053 15948 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-ARS)
F06	15-6	1540	17515	Sun	11166 10053 15948 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-6	1550	15677	Sun	11166 10053 15948 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	16-6	0800	10198	Mon	11100 00000 76381 13094 03279	FSK 200/1000	(AB)
F06	16-6	0810	8082	Mon	11100 00000 76381 13094 03279	FSK 200/1000	(AB)
F06	16-6	0820	6833	Mon	11100 00000 76381 13094 03279	FSK 200/1000	(AB)
F06	17-6	0030	14929	Tue	11166 60070 13597 17001 00049 00000 00000 00000 00000	USB	(AB)
F06	17-6	0040	12122	Tue	11166 60070 13597 17001 00049 00000 00000 00000 00000	USB	(AB)
F06	17-6	0050	10359	Tue	11166 60070 13597 17001 00049 00000 00000 00000 00000	USB	(AB)
F06	17-6	0700	11474	Tue	11166 70202 31587 16058 01619 and 11166 70202 40139 16059 02099	FSK 200/1000	(AB)
F06	17-6	0710	9234	Tue	11166 70202 31587 16058 01619 and 11166 70202 40139 16059 02099	FSK 200/1000	(AB)
F06	17-6	0720	7461	Tue	11166 70202 31587 16058 01619 and 11166 70202 40139 16059 02099	FSK 200/1000	(AB)
F06	17-6	0800	10198	Tue	11100 00000 76381 13094 03279	FSK 200/1000	(AB)
F06	17-6	0810	8082	Tue	11100 00000 76381 13094 03279	FSK 200/1000	(AB)
F06	17-6	0820	6833	Tue	11100 00000 76381 13094 03279	FSK 200/1000	(AB)
F06	17-6	1200	10762	Tue	11166 70202 31587 16058 01619 and 11166 70202 40139 16059 02099	FSK 200/1000	(AB)
F06	17-6	1210	8191	Tue	11166 70202 31587 16058 01619 and 11166 70202 40139 16059 02099	FSK 200/1000	(AB)
F06	17-6	1220	6782	Tue	11166 70202 31587 16058 01619 and 11166 70202 40139 16059 02099	FSK 200/1000	(AB)
F06	17-6	1650	20889	Tue	11166 10053 74523 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-ARS)
F06	17-6	1700	18051	Tue	11166 10053 74523 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-6	1710	16087	Tue	11166 10053 74523 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-6	1200	10762	Wed	File 44460 (binary contents)	FSK 200/1000	(AB)
F06	18-6	1215	8191	Wed	File 44460 (binary contents)	FSK 200/1000	(AB)
F06	18-6	1230	6782	Wed	File 44460 (binary contents)	FSK 200/1000	(AB)
F06	19-6	0700	11474	Thu	11166 70202 76913 18061 02039 and 11166 70202 65781 18062 01819	FSK 200/1000	(AB)
F06	19-6	0710	9234	Thu	11166 70202 76913 18061 02039 and 11166 70202 65781 18062 01819	FSK 200/1000	(AB)
F06	19-6	0720	7461	Thu	11166 70202 76913 18061 02039 and 11166 70202 65781 18062 01819	FSK 200/1000	(AB)
F06	19-6	1200	10762	Thu	11166 70202 76913 18061 02039 and 11166 70202 65781 18062 01819	FSK 200/1000	(AB)
F06	19-6	1210	8191	Thu	11166 70202 76913 18061 02039 and 11166 70202 65781 18062 01819	FSK 200/1000	(AB)
F06	19-6	1220	6782	Thu	11166 70202 76913 18061 02039 and 11166 70202 65781 18062 01819	FSK 200/1000	(AB)
F06	19-6	1330	16351	Thu	11166 80214 36519 18062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-6	1350	10169	Thu	11166 80214 36519 18062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-6	1354	12109	Thu	11166 80214 36519 18062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-6	0700	11474	Fri	11166 70202 95163 20035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-6	0710	9234	Fri	11166 70202 95163 20035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-6	0720	7461	Fri	11166 70202 95163 20035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-6	1530	20945	Sun	11166 10053 13578 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-ARS)
F06	22-6	1540	17515	Sun	11166 10053 13578 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-6	1550	15677	Sun	11166 10053 13578 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-6	0800	10198	Mon	11100 00000 35691 20095 01859	FSK 200/1000	(AB)
F06	23-6	0810	8082	Mon	11100 00000 35691 20095 01859	FSK 200/1000	(AB)
F06	23-6	0820	6833	Mon	11100 00000 35691 20095 01859	FSK 200/1000	(AB)
F06	24-6	0030	14929	Tue	11166 60070 74523 24001 00049 00000 00000 00000 00000	USB	(AB)
F06	24-6	0040	12122	Tue	11166 60070 74523 24001 00049 00000 00000 00000 00000	USB	(AB)
F06	24-6	0050	10359	Tue	11166 60070 74523 24001 00049 00000 00000 00000 00000	USB	(AB)

F06	24-6	0700	11474	Tue	11166 70202 24879 23064 01499 and 11166 70202 75128 23065 02179	FSK 200/1000	(AB)
F06	24-6	0710	9234	Tue	11166 70202 24879 23064 01499 and 11166 70202 75128 23065 02179	FSK 200/1000	(AB)
F06	24-6	0720	7461	Tue	11166 70202 24879 23064 01499 and 11166 70202 75128 23065 02179	FSK 200/1000	(AB)
F06	24-6	0800	10198	Tue	11100 00000 35691 20095 01859	FSK 200/1000	(AB)
F06	24-6	0810	8082	Tue	11100 00000 35691 20095 01859	FSK 200/1000	(AB)
F06	24-6	0820	6833	Tue	11100 00000 35691 20095 01859	FSK 200/1000	(AB)
F06	24-6	1200	10762	Tue	11166 70202 24879 23064 01499 and 11166 70202 75128 23065 02179	FSK 200/1000	(AB)
F06	24-6	1210	8191	Tue	11166 70202 24879 23064 01499 and 11166 70202 75128 23065 02179	FSK 200/1000	(AB)
F06	24-6	1220	6782	Tue	11166 70202 24879 23064 01499 and 11166 70202 75128 23065 02179	FSK 200/1000	(AB)
F06	24-6	1650	20889	Tue	11166 10053 15487 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT)
F06	24-6	1700	18051	Tue	11166 10053 15487 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-6	1710	16087	Tue	11166 10053 15487 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-6	1200	10762	Wed	File 44466 (binary contents)	FSK 200/1000	(AB)
F06	25-6	1215	8191	Wed	File 44466 (binary contents)	FSK 200/1000	(AB)
F06	25-6	1230	6782	Wed	File 44466 (binary contents)	FSK 200/1000	(AB)
F06	26-6	0700	11474	Thu	11166 70202 35698 25067 01019 and 11166 70202 04715 25068 02279	FSK 200/1000	(AB)
F06	26-6	0710	9234	Thu	11166 70202 35698 25067 01019 and 11166 70202 04715 25068 02279	FSK 200/1000	(AB)
F06	26-6	0720	7461	Thu	11166 70202 35698 25067 01019 and 11166 70202 04715 25068 02279	FSK 200/1000	(AB)
F06	26-6	1200	10762	Thu	11166 70202 35698 25067 01019 and 11166 70202 04715 25068 02279	FSK 200/1000	(AB)
F06	26-6	1210	8191	Thu	11166 70202 35698 25067 01019 and 11166 70202 04715 25068 02279	FSK 200/1000	(AB)
F06	26-6	1220	6782	Thu	11166 70202 35698 25067 01019 and 11166 70202 04715 25068 02279	FSK 200/1000	(AB)
F06	26-6	1330	16351	Thu	11166 80214 65478 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-6	1350	10169	Thu	11166 80214 65478 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-6	1354	12109	Thu	11166 80214 65478 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-6	0700	11474	Fri	No transmission	FSK 200/1000	(AB)
F06	27-6	0710	9234	Fri	No transmission	FSK 200/1000	(AB)
F06	27-6	0720	7461	Fri	No transmission	FSK 200/1000	(AB)
F06	29-6	1530	20945	Sun	11166 10053 13467 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-ARS)
F06	29-6	1540	17515	Sun	11166 10053 13467 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-6	1550	15677	Sun	11166 10053 13467 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-6	0800	10198	Mon	11100 00000 42186 27096 01099	FSK 200/1000	(AB)
F06	30-6	0810	8082	Mon	11100 00000 42186 27096 01099	FSK 200/1000	(AB)
F06	30-6	0820	6833	Mon	11100 00000 42186 27096 01099	FSK 200/1000	(AB)
F06a	28-5	0700	11163	Wed	File 44442 (binary contents)	FSK 200/1000	(PY)
F06a	2-6	0700	11474	Mon	File 44445 (binary contents, 2367 bytes) empty text header	FSK 200/1000	(PY)
F06a	4-6	0700	11474	Wed	File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	4-6	0715	9234	Wed	File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	4-6	0730	7461	Wed	File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	5-6	0600	12215	Thu	File 14445 (binary contents)	FSK 200/1000	(AB/PY)
F06a	5-6	0615	14385	Thu	File 14445 (binary contents)	FSK 200/1000	(AB)
F06a	5-6	0630	16387	Thu	File 14445 (binary contents)	FSK 200/1000	(AB)
F06a	7-6	0300	9061	Sat	File 44423 (binary contents)	FSK 200/1000	(OM)

F06a	7-6	0315	11490	Sat	File 44423 (binary contents)	FSK 200/1000	(0M)
F06a	7-6	0330	12061	Sat	File 44423 (binary contents)	FSK 200/1000	(0M)
F06a	7-6	1600	24356	Sat	File 44423 (binary contents)	FSK 200/1000	(0M)
F06a	7-6	1615	20509	Sat	File 44423 (binary contents)	FSK 200/1000	(0M)
F06a	7-6	1630	19175	Sat	File 44423 (binary contents)	FSK 200/1000	(0M)
F06a	9-6	0700	11474	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	9-6	0715	9234	Mon	File 44451 (binary contents)	FSK 200/1000	(AB/PY)
F06a	9-6	0730	7461	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	9-6	1200	10762	Mon	File 44451 (binary contents)	FSK 200/1000	(AB/PY)
F06a	9-6	1215	8191	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	9-6	1230	6782	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	11-6	0600	12215	Wed	File 44946 (binary contents)	FSK 200/1000	(AB)
F06a	11-6	0615	14385	Wed	File 44946 (binary contents)	FSK 200/1000	(AB)
F06a	11-6	0630	16387	Wed	File 44946 (binary contents)	FSK 200/1000	(AB)
F06a	11-6	0700	11474	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	11-6	0715	9234	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	11-6	0730	7461	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	12-6	0600	12215	Thu	File 44946 (binary contents)	FSK 200/1000	(AB)
F06a	12-6	0615	14385	Thu	File 44946 (binary contents)	FSK 200/1000	(AB)
F06a	12-6	0630	16387	Thu	File 44946 (binary contents)	FSK 200/1000	(AB)
F06a	14-6	0300	9061	Sat	File 44423 (binary contents)	FSK 200/1000	(0M)
F06a	14-6	0315	11490	Sat	File 44423 (binary contents)	FSK 200/1000	(0M)
F06a	14-6	0330	12061	Sat	File 44423 (binary contents)	FSK 200/1000	(0M)
F06a	14-6	1600	24356	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	14-6	1615	20509	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	14-6	1630	19175	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	16-6	0700	11474	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	16-6	0715	9234	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	16-6	0730	7461	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	16-6	1200	10762	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	16-6	1215	8191	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	16-6	1230	6782	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	18-6	0600	12215	Wed	File 42447 (binary contents)	FSK 200/1000	(AB)
F06a	18-6	0615	14385	Wed	File 42447 (binary contents)	FSK 200/1000	(AB)
F06a	18-6	0630	16387	Wed	File 42447 (binary contents)	FSK 200/1000	(AB)
F06a	18-6	0700	11474	Wed	File 44460 (binary contents)	FSK 200/1000	(AB)
F06a	18-6	0715	9234	Wed	File 44460 (binary contents)	FSK 200/1000	(AB)
F06a	18-6	0730	7461	Wed	File 44460 (binary contents)	FSK 200/1000	(AB)
F06a	19-6	0600	12215	Thu	File 42447 (binary contents)	FSK 200/1000	(AB)
F06a	19-6	0615	14385	Thu	File 42447 (binary contents)	FSK 200/1000	(AB)
F06a	19-6	0630	16387	Thu	File 42447 (binary contents)	FSK 200/1000	(AB)
F06a	21-6	0300	9061	Sat	File 44423 (binary contents)	FSK 200/1000	(TM)

F06a	21-6	0315	11490	Sat	File 44423 (binary contents)	FSK 200/1000	(TM)
F06a	21-6	0330	12061	Sat	File 44423 (binary contents)	FSK 200/1000	(TM)
F06a	21-6	1600	24356	Sat	File 44423 (binary contents)	FSK 200/1000	(AB-S)
F06a	21-6	1615	20509	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	21-6	1630	19175	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	23-6	0700	11474	Mon	File 44463 (binary contents)	FSK 200/1000	(AB)
F06a	23-6	0715	9234	Mon	File 44463 (binary contents)	FSK 200/1000	(AB)
F06a	23-6	0730	7461	Mon	File 44463 (binary contents)	FSK 200/1000	(AB)
F06a	23-6	1200	10762	Mon	File 44463 (binary contents)	FSK 200/1000	(AB)
F06a	23-6	1215	8191	Mon	File 44463 (binary contents)	FSK 200/1000	(AB)
F06a	23-6	1230	6782	Mon	File 44463 (binary contents)	FSK 200/1000	(AB)
F06a	25-6	0600	12215	Wed	File 74448 (binary contents)	FSK 200/1000	(AB)
F06a	25-6	0615	14385	Wed	File 74448 (binary contents)	FSK 200/1000	(AB)
F06a	25-6	0630	16387	Wed	File 74448 (binary contents)	FSK 200/1000	(AB)
F06a	25-6	0700	11474	Wed	File 44466 (binary contents)	FSK 200/1000	(AB)
F06a	25-6	0715	9234	Wed	File 44466 (binary contents)	FSK 200/1000	(AB)
F06a	25-6	0730	7461	Wed	File 44466 (binary contents)	FSK 200/1000	(AB)
F06a	26-6	0600	12215	Thu	File 74448 (binary contents)	FSK 200/1000	(AB)
F06a	26-6	0615	14385	Thu	File 74448 (binary contents)	FSK 200/1000	(AB)
F06a	26-6	0630	16387	Thu	File 74448 (binary contents)	FSK 200/1000	(AB)
F06a	27-6	1900	16177	Fri	File 04443 (binary contents)	FSK 200/1000	(AB)
F06a	27-6	1920	14848	Fri	File 04443 (binary contents)	FSK 200/1000	(AB)
F06a	27-6	1940	13376	Fri	File 04443 (binary contents)	FSK 200/1000	(AB)
F06a	28-6	0300	9061	Sat	File 44423 (binary contents)	FSK 200/1000	(TM)
F06a	28-6	0315	11490	Sat	File 44423 (binary contents)	FSK 200/1000	(TM)
F06a	28-6	0330	12061	Sat	File 44423 (binary contents)	FSK 200/1000	(TM)
F06a	28-6	0600	12214	Sat	File 04443 (binary contents)	FSK 200/1000	(AB)
F06a	28-6	0615	11153	Sat	File 04443 (binary contents)	FSK 200/1000	(AB)
F06a	28-6	0630	10332	Sat	File 04443 (binary contents)	FSK 200/1000	(AB)
F06a	28-6	1600	24356	Sat	File 44423 (binary contents)	FSK 200/1000	(AB-ARS)
F06a	28-6	1615	20509	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	28-6	1630	19175	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	30-6	0700	11474	Mon	File 44469 (binary contents)	FSK 200/1000	(AB)
F06a	30-6	0715	9234	Mon	File 44469 (binary contents)	FSK 200/1000	(AB)
F06a	30-6	0730	7461	Mon	File 44469 (binary contents)	FSK 200/1000	(AB)
F06a	30-6	1200	10762	Mon	File 44469 (binary contents)	FSK 200/1000	(AB)
F06a	30-6	1215	8191	Mon	File 44469 (binary contents)	FSK 200/1000	(AB)
F06a	30-6	1230	6782	Mon	File 44469 (binary contents)	FSK 200/1000	(AB)
F07	3-6	2000	16336	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-6	2010	15886	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-6	2020	14918	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	3-6	2030	14483	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

[illegible]

F07	26-6	2040	13901	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-6	2050	13389	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
KRE	17-6	1614	14950	Tue	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	23-6	0925	16120	Mon	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	23-6	1335	15500	Mon	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-6	0638	16120	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
M01	3-6	1800	5280	Tue	025 526 526 30 30 = = 82738 19283 82736 ... 18763 92837 18244 = = 526 526 30 30 000	CW	(AB/PY)
M01	3-6	2000	4903	Tue	025 711 711 30 30 = = 82887 83948 82765 ... 29388 39440 49283 = = 711 711 30 30 000	CW	(AB/PY)
M01	5-6	1800	5280	Thu	025 944 944 30 30 = = 82989 81989 93940 ...	CW	(PY)
M01	5-6	2000	4903	Thu	025 724 724 30 30 = = 82736 72878 92809 ...	CW	(PY)
M01	7-6	0715	9736	Sat	475 10846 88664... = 150 50 000	CW	(PY)
M01	8-6	0715	9736	Sun	475 ... 000	CW	(PY)
M01	10-6	1759	5280	Tue	653 653 30 30 = = 65789 08576 78390 ... 89057 75849 75839 = = 658 658 30 000 K	CW	(PY)
M01	10-6	1800	5280	Tue	025 653 653 30 30 = = 65789 08576 78390 ... 8905775849 75849 75839 = = 658 658 30 30 000	CW	(AB)
M01	10-6	1959	4903	Tue	265 265 30 30 = = 84769 85749 36275 ... 73845 73845 18045 = = 265 265 30 000 Sent only 29 groups	CW	(AB/PY)
M01	12-6	1800	5280	Thu	025 691 691 30 30 = = (Too weak to copy)	CW	(AB)
M01	12-6	2000	4903	Thu	025 102 102 30 30 = = (Too weak to copy)	CW	(AB)
M01	15-6	0715	9736	Sun	475 152 152 50 50 = = 70298 39867 19334 ... 07067 17826 616__ = = 152 152 50 50 000	CW	(PY)
M01	17-6	1800	5280	Tue	025 808 808 30 30 = = 005_7 12348 57684 ... 57685 49304 39394 = = 808 808 30 30 000	CW	(AB)
M01	17-6	2000	4903	Tue	025 371 371 30 30 = = 47839 27182 43489 (too weak to copy)	CW	(AB)
M01	19-6	1800	5280	Thu	025 132 30 = = 132 30 = = 37435 57435 54634 ... 64756 85646 64656 = = 132 30 = = 132 30 000	CW	(AB)
M01	19-6	2000	4903	Thu	025 453 30 = = 453 30 = = 16253 53625 54637 ... 65476 65746 64746 = = 453 30 = = 453 30 000. Sent only 27 groups	CW	(AB)
M01	21-6	1500	6435	Sat	025 367 367 30 30 = = 53274 91746 01353 ... 63493 34936 96342 = = 367 367 30 30 000	CW	(AB-S)
M01	22-6	0700	6780	Sun	025 183 183 30 30 = = 84729 76936 45231 ... 16503 04927 16573 183 183 30 30 000	CW	(AB-S)
M01	22-6	0715	9736	Sun	475 147 147 50 50 = = 47892 82904 14267 ... 81620 62799 23199 = = 247 247 50 50 000	CW	(PY)
M01	24-6	1800	5280	Tue	025 938 30 = 87678 ... (too weak to copy)	CW	(AB/HFD-RUS)
M01	28-6	1500	6435	Sat	025 579 579 30 30 66835 30987 15465 ... 50988 63744 90876 579 579 30 30 000	CW	(AB-S)
M01	29-6	0715	9736	Sun	475 ... (too weak to copy)	CW	(PY)
M01a	10-6	2052	4951	Tue	V EEEEEEEE 36 sec silence 593 593 593 26391 26391 (R1m45s)	CW	(AB)
M01a	10-6	2055	4951	Tue	111 999 475 10 = 74102 22154 85631 22154 85631 75361 12109 45240 09855 24561 = 475 10 111 475 10 111 000	CW	(AB)
M12	1-6	0840	12194	Sun	341 341 341 1 ...	M12	(HFD)

M12	1-6	2310	16343	Sun	389 389 389 1 811 249 811 249 93940 27011 21656 ... 000 000 (poor signal)	CW	(PY/HFD)
M12	1-6	2330	15843	Sun	389 389 389 1 811 249 811 249 93940 27011 21656 ... 000 000 (poor signal)	CW	(PY/HFD)
M12	2-6	0800	14382	Mon	341 341 341 1 7593 103 7593 103 92967 24369 06089 ... 59652 95520 91250 000 000	M12	(HFD-J)
M12	2-6	0820	13423	Mon	341 341 341 1 ...	M12	(HFD-J)
M12	2-6	0820	13424	Mon	341 341 341 1 7593 103 7593 103 92967 24369 06089 ... 59652 95520 91250 000 000	CW	(PY/HFD-J)
M12	2-6	0840	12195	Mon	341 341 341 1 7593 103 7593 103 92967 24369 06089 ... 59652 95520 91250 000 000	CW	(PY)
M12	2-6	1230	13386	Mon	725 725 725 1 2816 139 2816 139 77928 73083 68932 ... 19353 32847 88693 000 000	CW	(PY/HFD)
M12	2-6	1250	12189	Mon	725 725 725 1 2816 139 2816 139 77928 73083 68932 ... 19353 32847 88693 000 000	CW	(PY/HFD)
M12	2-6	1310	11491	Mon	725 725 725 1 2816 139 2816 139 77928 73083 68932 ... 19353 32847 88693 000 000	M12	(HFD)
M12	2-6	2000	13892	Mon	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 46998 02736 000 000	M12	(HFD)
M12	2-6	2020	13392	Mon	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 46998 02736 000 000	CW	(PY/HFD)
M12	2-6	2040	11592	Mon	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 46998 02736 000 000	CW	(PY/HFD)
M12	3-6	0300	14975	Tue	984 984 984 1 7386 121 7386 121 28330 40229 63348 ... 77903 93844 62912 000 000	M12	(HFD-J)
M12	3-6	0300	14976	Tue	984 984 984 1 7386 121 7386 121 28330 40229 63348 ... 77903 93844 62912 000 000	CW	(PY/HFD-J)
M12	3-6	0320	13876	Tue	984 984 984 1 7386 121 7386 121 28330 40229 63348 ... 77903 93844 62912 000 000	CW	(PY/HFD-J)
M12	3-6	1100	11520	Tue	289 289 289 1 7670 64 7670 64 45884 58518 82323 ... 01769 14588 42250 000 000	CW	(PY)
M12	3-6	1120	12194	Tue	289 289 289 1 7670 64 7670 64 45884 58518 82323 ... 01769 14588 42250 000 000	CW	(PY)
M12	4-6	1900	12162	Wed	546 546 546 1 2180 57 2180 57 91734 16397 81518 ... __059 18392 01861 000 000	CW	(AB/HFD)
M12	4-6	1900	15823	Wed	889 889 889 1 9828 78 9828 78 14612 61988 47405 ... 33676 41958 26160 000 000	CW	(AB/PY/HFD)
M12	4-6	1920	11566	Wed	546 546 546 1 2180 57 2180 57 91734 16397 81518 ... __059 18392 01861 000 000	CW	(AB/PY/HFD)
M12	4-6	1920	14823	Wed	889 889 889 1 9828 78 9828 78 14612 61988 47405 ... 33676 41958 26160 000 000	CW	(AB/PY/HFD)
M12	4-6	1940	10711	Wed	546 546 546 1 2180 57 2180 57 91734 16397 81518 ... __059 18392 01861 000 000	CW	(AB/PY/HFD)
M12	4-6	1940	13923	Wed	889 889 889 1 9828 78 9828 78 14612 61988 47405 ... 33676 41958 26160 000 000	CW	(AB/PY/HFD)
M12	4-6	2310	16343	Wed	389 389 389 1 4439 241 4439 241 44860 58277 48566 ... 69042 50665 88426 000 000	CW	(PY)
M12	4-6	2330	15843	Wed	389 389 389 1 4439 241 4439 241 44860 58277 48566 ... 69042 50665 88426 000 000	CW	(PY)
M12	5-6	0300	14976	Thu	984 984 984 1 7386 121 7386 121 28330 40229 63348 ... 77903 93844 62912 000 000	CW	(PY)
M12	5-6	0320	13876	Thu	984 984 984 1 7386 121 7386 121 28330 40229 63348 ... 77903 93844 62912 000 000	CW	(PY)
M12	5-6	1800	11435	Thu	938 938 938 1 9551 78 9551 78 12746 07621 11224 ...	CW	(AB)
M12	5-6	1800	11435	Thu	938 938 938 1 9551 78 9551 78 12746 07621 11224 ...	CW	(PY)
M12	5-6	1820	10598	Thu	938 938 938 1 9551 78 9551 78 12746 07621 11224 ...	CW	(AB)
M12	5-6	1820	10598	Thu	938 938 938 1 9551 78 9551 78 12746 07621 11224 ...	CW	(PY)
M12	5-6	1840	9327	Thu	938 938 938 1 9551 78 9551 78 12746 07621 11224 ...	CW	(AB)
M12	5-6	2000	13892	Thu	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 46998 02736 000 000	CW	(PY)
M12	5-6	2020	13392	Thu	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 46998 02736 000 000	CW	(PY)
M12	6-6	0800	14383	Fri	341 341 341 1 7593 103 7593 103 92967 24369 06089 ... 59652 95520 91250 000 000	CW	(PY)
M12	6-6	0820	13424	Fri	341 341 341 1 7593 103 7593 103 92967 24369 06089 ... 59652 95520 91250 000 000	CW	(PY)
M12	6-6	1900	15823	Fri	889 889 889 1 9828 78 9828 78 14612 61988 47405 ... 33676 41958 26160 000 000	CW	(AB)
M12	6-6	1920	14823	Fri	889 889 889 1 9828 78 9828 78 14612 61988 47405 ... 33676 41958 26160 000 000	CW	(AB/PY)
M12	6-6	1940	13923	Fri	889 889 889 1 9828 78 9828 78 14612 61988 47405 ... 33676 41958 26160 000 000	CW	(AB/PY)
M12	6-6	2100	17422	Fri	419 419 419 1 6513 171 6513 171 85726 62668 71193 ... 39903 62707 42656 000 000	CW	(PY/HFD)
M12	6-6	2120	16142	Fri	419 419 419 1 6513 171 6513 171 85726 62668 71193 ... 39903 62707 42656 000 000	CW	(PY/HFD)
M12	6-6	2140	15929	Fri	419 419 419 1 6513 171 6513 171 85726 62668 71193 ... 39903 62707 42656 000 000	CW	(PY/HFD)

M12	7-6	1900	12162	Sat	546 546 546 1 4110 58 4110 58 05410 10948 79010 ... 25426 35199 34081 000 000	CW	(AB/PY)
M12	7-6	1920	11566	Sat	546 546 546 1 4110 58 4110 58 05410 10948 79010 ... 25426 35199 34081 000 000	CW	(AB/PY)
M12	7-6	1940	10711	Sat	546 546 546 1 4110 58 4110 58 05410 10948 79010 ... 25426 35199 34081 000 000	CW	(AB/PY)
M12	7-6	2100	17422	Sat	419 419 419 1 6513 171 6513 171 85726 62668 71193 ... 39903 62707 42656 000 000	CW	(PY)
M12	8-6	2350	14943	Sun	389 389 389 1 4439 241 4439 241 44860 58277 48566 ... 69042 50665 88426 000 000	CW	(PY)
M12	9-6	0800	14382	Mon	341 341 341 1 3316 104 3316 104 26524 61180 80625 ... 18286 05718 93584 000 000	CW	(AB-J)
M12	9-6	0800	14383	Mon	341 341 341 1 3316 104 3316 104 26524 61180 80625 ... 18286 05718 93584 000 000	CW	(PY)
M12	9-6	0820	13423	Mon	341 341 341 1 3316 104 3316 104 26524 61180 80625 ... 18286 05718 93584 000 000	CW	(AB-J)
M12	9-6	0840	12194	Mon	341 341 341 1 3316 104 3316 104 26524 61180 80625 ... 18286 05718 93584 000 000	CW	(AB-J)
M12	9-6	0840	12195	Mon	341 341 341 1 3316 104 3316 104 26524 61180 80625 ... 18286 05718 93584 000 000	CW	(PY)
M12	9-6	1230	13386	Mon	725 725 725 1 5340 123 5340 123 99610 70997 27736 ... 05939 46162 27351 000 000	CW	(AB)
M12	9-6	1250	12189	Mon	725 725 725 1 5340 123 5340 123 99610 70997 27736 ... 05939 46162 27351 000 000	CW	(AB/PY)
M12	9-6	1310	11491	Mon	725 725 725 1 5340 123 5340 123 99610 70997 27736 ... 05939 46162 27351 000 000	CW	(AB/PY)
M12	9-6	2000	13892	Mon	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 06939 46998 02736 000 000	CW	(AB/RL/PY)
M12	9-6	2020	13392	Mon	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 06939 46998 02736 000 000	CW	(AB/RL)
M12	9-6	2040	11592	Mon	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 06939 46998 02736 000 000	CW	(AB/RL/PY)
M12	10-6	0300	14976	Tue	984 984 984 1 7763 136 7763 136 40716 39639 66595 ... 07110 52712 49648 000 000	CW	(PY)
M12	10-6	0320	13876	Tue	984 984 984 1 7763 136 7763 136 40716 39639 66595 ... 07110 52712 49648 000 000	CW	(PY)
M12	10-6	1100	11519	Tue	289 289 289 1 8391 63 8391 63 23143 58027 40571 ... 27473 26343 40360 000 000	CW	(AB)
M12	10-6	1120	12194	Tue	289 289 289 1 8391 63 8391 63 23143 58027 40571 ... 27473 26343 40360 000 000	CW	(AB/PY)
M12	10-6	1140	13407	Tue	289 289 289 1 8391 63 8391 63 23143 58027 40571 ... 27473 26343 40360 000 000	CW	(AB/PY)
M12	11-6	1900	12162	Wed	543 546 546 1 8678 56 8678 56 52591 32819 86744 ... 73181 55108 16438 000 000	CW	(AB)
M12	11-6	1900	15823	Wed	889 889 889 000	CW	(AB)
M12	11-6	1920	11566	Wed	543 546 546 1 8678 56 8678 56 52591 32819 86744 ... 73181 55108 16438 000 000	CW	(AB)
M12	11-6	1920	14823	Wed	889 889 889 000	CW	(AB)
M12	11-6	1940	10711	Wed	543 546 546 1 8678 56 8678 56 52591 32819 86744 ... 73181 55108 16438 000 000	CW	(AB)
M12	12-6	0400	9176	Thu	Message	CW	(FD)
M12	12-6	0420	7931	Thu	Message	CW	(FD)
M12	12-6	0440	6904	Thu	Message	CW	(FD)
M12	12-6	1800	11435	Thu	938 938 938 1 5997 78 5997 78 37889 93846 48536 ... 04680 15622 64443 000 000	CW	(AB)
M12	12-6	1820	10598	Thu	938 938 938 1 5997 78 5997 78 37889 93846 48536 ... 04680 15622 64443 000 000	CW	(AB)
M12	12-6	1840	9327	Thu	938 938 938 1 5997 78 5997 78 37889 93846 48536 ... 04680 15622 64443 000 000	CW	(AB)
M12	12-6	2000	13892	Thu	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 06939 46998 02736 000 000	CW	(AB)
M12	12-6	2020	13392	Thu	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 06939 46998 02736 000 000	CW	(AB)
M12	12-6	2040	11592	Thu	119 119 119 1 5578 201 5578 201 78902 08598 31282 ... 06939 46998 02736 000 000	CW	(AB)
M12	13-6	0800	14382	Fri	341 341 341 1 3316 104 3316 104 26524 61180 80625 ... 18286 05718 93584 000 000	CW	(AB-J)
M12	13-6	0820	13423	Fri	341 341 341 1 3316 104 3316 104 26524 61180 80625 ... 18286 05718 93584 000 000	CW	(AB-J)
M12	13-6	0840	12194	Fri	341 341 341 1 3316 104 3316 104 26524 61180 80625 ... 18286 05718 93584 000 000	CW	(AB-J)
M12	13-6	1900	15823	Fri	889 889 889 000	CW	(AB/RL)
M12	13-6	1920	14823	Fri	889 889 889 000	CW	(AB/RL)
M12	14-6	1900	12162	Sat	546 546 546 1 8096 56 8096 56 39739 63378 11385 ... 44671 47978 63562 000 000	CW	(AB)
M12	14-6	1920	11566	Sat	546 546 546 1 8096 56 8096 56 39739 63378 11385 ... 44671 47978 63562 000 000	CW	(AB)

M12	14-6	1940	10711	Sat	546 546 546 1 8096 56 8096 56 39739 63378 11385 ... 44671 47978 63562 000 000	CW	(AB)
M12	16-6	0800	14382	Mon	341 341 341 1 2474 194 2474 194 4119 74958 68818 55210 ... 58279 84636 62515 000 000	CW	(AB-KOR)
M12	16-6	0820	13423	Mon	341 341 341 1 2474 194 2474 194 4119 74958 68818 55210 ... 58279 84636 62515 000 000	CW	(AB-KOR)
M12	16-6	0840	12194	Mon	341 341 341 1 2474 194 2474 194 4119 74958 68818 55210 ... 58279 84636 62515 000 000	CW	(AB-KOR)
M12	16-6	1230	13368	Mon	725 725 725 1 8314 144 8314 144 88361 04898 87649 ... 35100 15187 63708 000 000	CW	(AB)
M12	16-6	1250	12189	Mon	725 725 725 1 8314 144 8314 144 88361 04898 87649 ... 35100 15187 63708 000 000	CW	(AB)
M12	16-6	1310	11491	Mon	725 725 725 1 8314 144 8314 144 88361 04898 87649 ... 35100 15187 63708 000 000	CW	(AB)
M12	16-6	2000	13892	Mon	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB/RL)
M12	16-6	2020	13392	Mon	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB/RL)
M12	16-6	2040	11592	Mon	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB/RL)
M12	17-6	1100	11519	Tue	289 289 289 1 3958 58 3958 58 20487 42363 14267 ... 94818 67374 81133 000 000	CW	(AB)
M12	17-6	1120	12194	Tue	289 289 289 1 3958 58 3958 58 20487 42363 14267 ... 94818 67374 81133 000 000	CW	(AB)
M12	17-6	1140	13407	Tue	289 289 289 1 3958 58 3958 58 20487 42363 14267 ... 94818 67374 81133 000 000	CW	(AB)
M12	18-6	1900	12162	Wed	546 546 546 1 5026 59 5026 59 32501 40568 91000 ... 40533 05788 38214 000 000	CW	(AB)
M12	18-6	1900	15823	Wed	889 889 889 1 9275 132 9275 132 54165 01394 38154 ... 28294 94831 13212 000 000	CW	(AB/RL)
M12	18-6	1920	11566	Wed	546 546 546 1 5026 59 5026 59 32501 40568 91000 ... 40533 05788 38214 000 000	CW	(AB)
M12	18-6	1920	14823	Wed	889 889 889 1 9275 132 9275 132 54165 01394 38154 ... 28294 94831 13212 000 000	CW	(AB/RL)
M12	18-6	1940	10711	Wed	546 546 546 1 5026 59 5026 59 32501 40568 91000 ... 40533 05788 38214 000 000	CW	(AB)
M12	18-6	1940	13923	Wed	889 889 889 1 9275 132 9275 132 54165 01394 38154 ... 28294 94831 13212 000 000	CW	(AB/RL)
M12	19-6	0400	9176	Thu	257 257 257 1 1596 143 1596 143 61524 34951 62282 ... 09896 89890 19578 000 000	CW	(Lazo)
M12	19-6	0420	7931	Thu	257 257 257 1 1596 143 1596 143 61524 34951 62282 ... 09896 89890 19578 000 000	CW	(Lazo)
M12	19-6	0440	6904	Thu	257 257 257 1 1596 143 1596 143 61524 34951 62282 ... 09896 89890 19578 000 000	CW	(Lazo)
M12	19-6	1800	11435	Thu	938 938 938 1 7098 78 7098 78 81451 36634 82475 ... 54278 02651 44864 000 000	CW	(AB)
M12	19-6	1820	10598	Thu	938 938 938 1 7098 78 7098 78 81451 36634 82475 ... 54278 02651 44864 000 000	CW	(AB)
M12	19-6	1840	9327	Thu	938 938 938 1 7098 78 7098 78 81451 36634 82475 ... 54278 02651 44864 000 000	CW	(AB)
M12	19-6	2000	13892	Thu	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB/RL)
M12	19-6	2020	13392	Thu	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB/RL)
M12	19-6	2040	11592	Thu	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB/RL)
M12	20-6	0800	14382	Fri	341 341 341 1 2474 194 2474 194 4119 74958 68818 55210 ... 58279 84636 62515 000 000	CW	(AB-KOR)
M12	20-6	0820	13423	Fri	341 341 341 1 2474 194 2474 194 4119 74958 68818 55210 ... 58279 84636 62515 000 000	CW	(AB-KOR)
M12	20-6	0840	12194	Fri	341 341 341 1 2474 194 2474 194 4119 74958 68818 55210 ... 58279 84636 62515 000 000	CW	(AB-KOR)
M12	20-6	1900	15823	Fri	889 889 889 1 9275 132 9275 132 54165 01394 38154 ... 28294 94831 13212 000 000	CW	(AB/RL)
M12	20-6	1920	14823	Fri	889 889 889 1 9275 132 9275 132 54165 01394 38154 ... 28294 94831 13212 000 000	CW	(AB/RL)
M12	20-6	1940	13923	Fri	889 889 889 1 9275 132 9275 132 54165 01394 38154 ... 28294 94831 13212 000 000	CW	(AB/RL)
M12	20-6	2100	17421	Fri	419 419 419 1 1578 192 1578 192 38420 42624 63434 ... 86103 38025 35760 000 000	CW	(AB)
M12	20-6	2120	16141	Fri	419 419 419 1 1578 192 1578 192 38420 42624 63434 ... 86103 38025 35760 000 000	CW	(AB)

M12	20-6	2140	15928	Fri	419 419 419 1 1578 192 1578 192 38420 42624 63434 ... 86103 38025 35760 000 000	CW	(AB)
M12	21-6	1900	12162	Sat	546 546 546 1 9636 57 9636 57 37636 98976 58703 ... 53709 89635 78515 000 000	CW	(AB)
M12	21-6	1920	11566	Sat	546 546 546 1 9636 57 9636 57 37636 98976 58703 ... 53709 89635 78515 000 000	CW	(AB)
M12	21-6	1940	10711	Sat	546 546 546 1 9636 57 9636 57 37636 98976 58703 ... 53709 89635 78515 000 000	CW	(AB)
M12	21-6	2100	17421	Sat	419 419 419 1 1578 192 1578 192 38420 42624 63434 ... 86103 38025 35760 000 000	CW	(AB)
M12	21-6	2120	16141	Sat	419 419 419 1 1578 192 1578 192 38420 42624 63434 ... 86103 38025 35760 000 000	CW	(AB)
M12	21-6	2140	15928	Sat	419 419 419 1 1578 192 1578 192 38420 42624 63434 ... 86103 38025 35760 000 000	CW	(AB)
M12	23-6	0800	14382	Mon	341 341 341 1 1449 121 1449 121 67156 64620 27842 ... 74424 58599 76807 000 000	CW	(AB-KOR)
M12	23-6	0820	13423	Mon	341 341 341 1 1449 121 1449 121 67156 64620 27842 ... 74424 58599 76807 000 000	CW	(AB-KOR)
M12	23-6	0840	12194	Mon	341 341 341 1 1449 121 1449 121 67156 64620 27842 ... 74424 58599 76807 000 000	CW	(AB-KOR)
M12	23-6	1230	13368	Mon	725 725 725 1 3905 134 3905 134 21166 60037 39004 ... 67635 74731 76922 000 000	CW	(AB)
M12	23-6	1250	12189	Mon	725 725 725 1 3905 134 3905 134 21166 60037 39004 ... 67635 74731 76922 000 000	CW	(AB)
M12	23-6	1310	11491	Mon	725 725 725 1 3905 134 3905 134 21166 60037 39004 ... 67635 74731 76922 000 000	CW	(AB)
M12	23-6	2000	13892	Mon	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB)
M12	23-6	2020	13392	Mon	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB)
M12	23-6	2040	11592	Mon	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB)
M12	24-6	1100	11519	Tue	289 289 289 1 3864 62 3864 62 22966 50854 15765 ... 80317 71129 66882 000 000	CW	(AB)
M12	24-6	1120	12194	Tue	289 289 289 1 3864 62 3864 62 22966 50854 15765 ... 80317 71129 66882 000 000	CW	(AB)
M12	24-6	1140	13407	Tue	289 289 289 1 3864 62 3864 62 22966 50854 15765 ... 80317 71129 66882 000 000	CW	(AB)
M12	25-6	1900	12162	Wed	546 546 546 1 5026 59 5026 59 32501 40568 91000 ... 40533 05788 38214 000 000	CW	(AB)
M12	25-6	1900	15823	Wed	889 889 889 1 9275 132 9275 132 54165 01394 38154 ... 28294 94831 13212 000 000	CW	(AB/RL)
M12	25-6	1920	11566	Wed	546 546 546 1 5026 59 5026 59 32501 40568 91000 ... 40533 05788 38214 000 000	CW	(AB)
M12	25-6	1920	14823	Wed	889 889 889 1 9275 132 9275 132 54165 01394 38154 ... 28294 94831 13212 000 000	CW	(AB/RL)
M12	25-6	1940	10711	Wed	546 546 546 1 5026 59 5026 59 32501 40568 91000 ... 40533 05788 38214 000 000	CW	(AB)
M12	25-6	1940	13923	Wed	889 889 889 1 9275 132 9275 132 54165 01394 38154 ... 28294 94831 13212 000 000	CW	(AB/RL)
M12	26-6	0400	9176	Thu	257 257 257 1 7131 128 7131 128 94575 50566 29500 ... 98715 87466 07247 000 000	CW	(AB/PY)
M12	26-6	0420	7931	Thu	257 257 257 1 7131 128 7131 128 94575 50566 29500 ... 98715 87466 07247 000 000	CW	(AB/PY)
M12	26-6	0440	6904	Thu	257 257 257 1 7131 128 7131 128 94575 50566 29500 ... 98715 87466 07247 000 000	CW	(AB/PY)
M12	26-6	1800	11435	Thu	938 938 938 1 5963 81 5963 81 21195 00643 96806 ... 33479 18473 19722 000 000	CW	(AB)
M12	26-6	1820	10598	Thu	938 938 938 1 5963 81 5963 81 21195 00643 96806 ... 33479 18473 19722 000 000	CW	(AB)
M12	26-6	1840	9327	Thu	938 938 938 1 5963 81 5963 81 21195 00643 96806 ... 33479 18473 19722 000 000	CW	(AB)
M12	26-6	2000	13892	Thu	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB)
M12	26-6	2020	13392	Thu	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB)
M12	26-6	2040	11592	Thu	119 119 119 1 784 84 784 84 85727 95926 57758... 46421 73323 87351 000 000	CW	(AB)
M12	27-6	0800	14382	Fri	341 341 341 1 1449 121 1449 121 67156 64620 27842 ... 74424 58599 76807 000 000	CW	(AB-KOR)
M12	27-6	0820	13423	Fri	341 341 341 1 1449 121 1449 121 67156 64620 27842 ... 74424 58599 76807 000 000	CW	(AB-KOR)
M12	27-6	0840	12194	Fri	341 341 341 1 1449 121 1449 121 67156 64620 27842 ... 74424 58599 76807 000 000	CW	(AB-KOR)
M12	27-6	1900	15823	Fri	889 889 889 000	CW	(AB/RL)
M12	27-6	1920	14823	Fri	889 889 889 000	CW	(AB/RL)
M12	27-6	2100	17421	Fri	419 419 419 1 1506 86 1506 86 09568 05727 57137 ... 89641 14823 58625 000 000	CW	(AB)
M12	27-6	2120	16141	Fri	419 419 419 1 1506 86 1506 86 09568 05727 57137 ... 89641 14823 58625 000 000	CW	(AB)
M12	27-6	2140	15928	Fri	419 419 419 1 1506 86 1506 86 09568 05727 57137 ... 89641 14823 58625 000 000	CW	(AB)

M12	28-6	1900	12162	Sat	546 546 546 1 9636 57 9636 57 37636 98976 58703 ... 53709 89635 78515 000 000	CW	(AB)
M12	28-6	1920	11566	Sat	546 546 546 1 9636 57 9636 57 37636 98976 58703 ... 53709 89635 78515 000 000	CW	(AB)
M12	28-6	1940	10711	Sat	546 546 546 1 9636 57 9636 57 37636 98976 58703 ... 53709 89635 78515 000 000	CW	(AB)
M12	28-6	2100	17421	Sat	419 419 419 1 1578 192 1578 192 38420 42624 63434 ... 86103 38025 35760 000 000	CW	(AB)
M12	28-6	2120	16141	Sat	419 419 419 1 1578 192 1578 192 38420 42624 63434 ... 86103 38025 35760 000 000	CW	(AB)
M12	28-6	2140	15928	Sat	419 419 419 1 1578 192 1578 192 38420 42624 63434 ... 86103 38025 35760 000 000	CW	(AB)
M12	30-6	0800	14382	Mon	341 341 341 1 8602 95 8602 95 41028 92803 41003 ... 22267 71537 17425 000 000	CW	(AB-KOR)
M12	30-6	0820	13423	Mon	341 341 341 1 8602 95 8602 95 41028 92803 41003 ... 22267 71537 17425 000 000	CW	(AB-KOR)
M12	30-6	0840	12194	Mon	341 341 341 1 8602 95 8602 95 41028 92803 41003 ... 22267 71537 17425 000 000	CW	(AB-KOR)
M12	30-6	1230	13368	Mon	725 725 725 1 6478 124 6478 124 00060 23587 76557 ... 84743 91307 27925 000 000	CW	(AB)
M12	30-6	1250	12189	Mon	725 725 725 1 6478 124 6478 124 00060 23587 76557 ... 84743 91307 27925 000 000	CW	(AB)
M12	30-6	1310	11491	Mon	725 725 725 1 6478 124 6478 124 00060 23587 76557 ... 84743 91307 27925 000 000	CW	(AB)
M12	30-6	2000	13892	Mon	119 119 119 000	CW	(AB/RL)
M12	30-6	2020	13392	Mon	119 119 119 000	CW	(AB/RL)
M14	2-6	0500	12211	Mon	952 952 952 380 380 54 54 = = 92622 03168 84134 ... 76095 31018 03311 = = 380 380 54 54 00000	CW	(AB-J)
M14	2-6	0520	10243	Mon	952 952 952 380 380 54 54 = = 92622 03168 84134 ... 76095 31018 03311 = = 380 380 54 54 00000	CW	(AB-J)
M14	3-6	0500	12211	Tue	952 380 380 54 54 92622 03168 84134 ... 76095 31018 03311 = = 380 380 54 54 00000	CW	(AB-J)
M14	3-6	0520	10243	Tue	952 380 380 54 54 92622 03168 84134 ... 76095 31018 03311 = = 380 380 54 54 00000	CW	(AB-J)
M14	6-6	0500	12211	Fri	No transmission	CW	(AB)
M14	6-6	0520	10243	Fri	952 952 952 00000	CW	(AB)
M14	11-6	0500	10243	Wed	952 952 952 00000	CW	(AB-KOR)
M14	11-6	0500	12211	Wed	952 952 952 00000	CW	(AB-KOR)
M14	16-6	0500	12211	Mon	952 718 718 56 56 = = 65262 34401 45675 ... 85552 11186 50443 = = 718 718 56 56 00000. Inverted morse, off after 1 min, back with normal morse at 0502z.	CW	(AB-J)
M14	16-6	0520	10243	Mon	952 718 718 56 56 = = 65262 34401 45675 ... 85552 11186 50443 = = 718 718 56 56 00000	CW	(AB-J)
M14	17-6	0500	12211	Tue	952 718 718 56 56 = = 65262 34401 45675 ... 85552 11186 50443 = = 718 718 56 56 00000	CW	(AB-J)
M14	17-6	0524	10243	Tue	952 718 718 56 56 = = 65262 34401 45675 ... 85552 11186 50443 = = 718 718 56 56 00000	CW	(AB-J)
M14	18-6	0500	12211	Wed	952 430 430 24 24 = = 36743 66858 58000 ... 34448 43833 64263 = = 430 430 24 24 952 671 671 29 29 = = 06335 05861 98914 ... 25613 56576 16290 = = 671 671 29 29 00000 Sent 30 groups	CW	(AB-J)
M14	18-6	0524	10243	Wed	952 430 430 24 24 = = 36743 66858 58000 ... 34448 43833 64263 = = 430 430 24 24 952 671 671 29 29 = = 06335 05861 98914 ... 25613 56576 16290 = = 671 671 29 29 00000 Sent 30 groups	CW	(AB-J)
M14	19-6	0500	12211	Thu	952 430 430 24 24 = = 36743 66858 58000 ... 34448 43833 64263 = = 430 430 24 24 952 671 671 29 29 = = 06335 05861 98914 ... 25613 56576 16290 = = 671 671 29 29 00000 Sent 30 groups	CW	(AB-J)

M14	19-6	0524	10243	Thu	952 430 430 24 24 = = 36743 66858 58000 ... 34448 43833 64263 = = 430 430 24 24 952 671 671 29 29 = = 06335 05861 98914 ... 25613 56576 16290 = = 671 671 29 29 00000 Sent 30 groups	CW	(AB-J)
M14	20-6	0500	12211	Fri	952 952 952 00000	CW	(AB)
M14	20-6	0520	10243	Fri	952 952 952 00000	CW	(AB)
M14	23-6	0500	12211	Mon	952 308 308 51 51 = = 20901 78830 93254 ... 52647 97563 37302 = = 308 308 51 51 00000	CW	(AB-J)
M14	23-6	0520	10243	Mon	952 308 308 51 51 = = 20901 78830 93254 ... 52647 97563 37302 = = 308 308 51 51 00000	CW	(AB-J)
M14	24-6	0500	12211	Tue	952 308 308 51 51 = = 20901 78830 93254 ... 52647 97563 37302 = = 308 308 51 51 00000	CW	(AB-J)
M14	24-6	0524	10243	Tue	952 308 308 51 51 = = 20901 78830 93254 ... 52647 97563 37302 = = 308 308 51 51 00000	CW	(AB-J)
M14	25-6	0500	12211	Wed	952 614 614 28 28 = = 38851 65782 48237 ... 30594 15210 36998 = = 614 614 28 28 952 780 780 26 26 = = 86248 21355 27958 ... 42875 21534 27943 = = 780 780 26 26 00000	CW	(AB-J)
M14	25-6	0524	10243	Wed	952 614 614 28 28 = = 38851 65782 48237 ... 30594 15210 36998 = = 614 614 28 28 952 780 780 26 26 = = 86248 21355 27958 ... 42875 21534 27943 = = 780 780 26 26 00000	CW	(AB-J)
M14	25-6	0524	10243	Wed	952 614 614 28 28 = = 38851 65782 48237 ... 30594 15210 36998 = = 614 614 28 28 952 780 780 26 26 = = 86248 21355 27958 ... 42875 21534 27943 = = 780 780 26 26 00000	CW	(AB-J)
M14	26-6	0500	12211	Thu	952 614 614 28 28 = = 38851 65782 48237 ... 30594 15210 36998 = = 614 614 28 28 952 780 780 26 26 = = 86248 21355 27958 ... 42875 21534 27943 = = 780 780 26 26 00000	CW	(AB-J)
M14	27-6	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	27-6	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	30-6	0501	12211	Mon	952 463 463 51 51 = = 23096 01622 95796 ... 74484 67863 56695 = = 463 463 51 51 00000	CW	(AB-J)
M14	30-6	0525	10243	Mon	952 463 463 51 51 = = 23096 01622 95796 ... 74484 67863 56695 = = 463 463 51 51 00000	CW	(AB-J)
M21	10-6	1753	5323	Tue	=992052??8?????	CW	(KX0DW-J)
M23	1-6	1400	6961	Sun	Hourly beep	CW	(AB)
M23	1-6	1400	7442	Sun	Hourly beep	CW	(AB)
M23	1-6	1500	6961	Sun	Hourly beep	CW	(AB)
M23	1-6	1500	7442	Sun	Hourly beep	CW	(AB)
M23	1-6	1515	6961	Sun	VVV VVV AA Extinction surpuissant doucheur = BB Plaine verdure lac determination = CC Tranche bonbons soda = DD Determination double unique extreme = AR AR	CW	(BR)
M23	1-6	1538	6961	Sun	VVV Message test auto = AR AR at 1538z, 1548z, 1553z, 1555z, 1605z, 1607z	CW	(BR)
M23	1-6	1600	6961	Sun	Hourly beep	CW	(AB)
M23	1-6	1600	7442	Sun	Hourly beep	CW	(AB)
M23	1-6	1615	6961	Sun	VVV = Message numero deux = AR AR	CW	(BR)

M23	1-6	1620	6961	Sun	VVV VVV VVV VVV = AA Avion lutin armoire a6 . r = BB Retour bateau bois terre f .vu BT CC Argumene folie Vitesse embrayage = DD Domino exnihilo terminus = AR AR	CW	(BR)
M23	1-6	1630	6961	Sun	VVV = Message numero deux = AR AR	CW	(BR)
M23	1-6	1648	6961	Sun	VVV VVV VVV VVV = AA Extinction surpuissant doucheur D [Ended suddenly]	CW	(BR)
M23	1-6	1656	6961	Sun	VVV = Message numero deux = AR AR	CW	(BR)
M23	1-6	1700	6961	Sun	Hourly beep	CW	(AB)
M23	1-6	1700	7442	Sun	Hourly beep	CW	(AB)
M23	2-6	1800	6961	Mon	Hourly beep	CW	(AB)
M23	2-6	1800	7442	Mon	Hourly beep	CW	(AB)
M23	3-6	1420	6961	Tue	VVV VVV VVV VVV = AA Avion lutin armoire acier mature = BB Retour bateau bois terre feu eau = CC Ener [Ended suddenly]	CW	(BR)
M23	3-6	1500	6961	Tue	Hourly beep	CW	(AB)
M23	3-6	1500	7442	Tue	Hourly beep	CW	(AB)
M23	4-6	0700	7442	Wed	Hourly beep	CW	(AB)
M23	4-6	1518	6961	Wed	CQ TEST CQ TEST DE ICOM ICOM TEST (R) [Approx. 3 mins weaker than M23]	CW	(BR)
M23	4-6	1747	6961	Wed	VVV VVV VVV VVV = AA Extinction surpuissant doucheur = BB Plaine verdure lac deter- mination = CC Tranche bonbons soda= DD Determination double unique extreme = AR AR	CW	(BR)
M23	4-6	1757	6961	Wed	Y4GT5 FDPD QKGS5 L2RB1 etc. then: RP DE VM RP DE VM RP RP RP? RP DE VM K. VVV X AA Sulbasaur I.Y Auua V Asaur charmarder charmarder squirt le war m.rtr blast =	CW	(BR)
M23	4-6	1803	6961	Wed	VVV VVV VVV VVV = AA Avion lutin armoire acier mature = BB Retour bateau bois terre feu eau = CC En [Ended suddenly] CQ CQ CQ DE RP K. RP DE VM QRK RR QRU?	CW	(BR)
M23	5-6	1522	6937	Thu	i.p. 15081769 (R)	CW	(BR)
M23	5-6	1625	6961	Thu	15081769 (R)	CW	(BR)
M23	5-6	1700	6937	Thu	Series of slow Morse sequences consisting of 1, 2, 3, 4, 5 or 6 figures	CW	(BR)
M23	6-6	1819	4951	Fri	55550 05550 05500 55005 50505 (R)	CW	(BR)
M23	6-6	1900	4951	Fri	55550 05550 05500 55005 50505 (R)	CW	(BR)
M23	6-6	2000	4951	Fri	15081769 (R)	CW	(BR)
M23	6-6	2100	4951	Fri	15081769 (R)	CW	(BR)
M23	6-6	2144	4951	Fri	i.p. LO48636017 LA1511114 (R)	CW	(BR)
M23	8-6	1400	6937	Sun	15081769 (R)	CW	(PY)
M23	8-6	1600	6937	Sun	15081769 (R)	CW	(AB)
M23	8-6	1700	6937	Sun	1 followed by the hourly beep and series of numbers 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB/PY)
M23	8-6	1800	4951	Sun	55550 05550 05500 55005 50505 (R)	CW	(BR)
M23	8-6	1900	4951	Sun	55550 05550 05500 55005 50505 (R)	CW	(BR)
M23	8-6	2000	4951	Sun	15081769 (R)	CW	(BR)
M23	8-6	2100	4951	Sun	15081769 (R)	CW	(BR)
M23	8-6	2144	4951	Sun	LO48636017 LA1511114 (R)	CW	(BR)
M23	9-6	1400	6937	Mon	15081769 (R)	CW	(AB)
M23	9-6	1500	6937	Mon	15081769 (R)	CW	(AB)

M23	9-6	1600	6937	Mon	15081769 (R)	CW	(Pille)
M23	9-6	1700	6937	Mon	1 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB/PY)
M23	10-6	1400	6937	Tue	15081769 (R)	CW	(AB)
M23	10-6	1500	6937	Tue	15081769 (R)	CW	(AB)
M23	10-6	1500	6937	Tue	15081769 (R)	CW	(BR)
M23	10-6	1600	6937	Tue	Hourly beep followed by 15081769 (R)	CW	(AB)
M23	10-6	1600	6937	Tue	15081769 (R)	CW	(BR)
M23	10-6	1700	6937	Tue	1 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB/PY)
M23	10-6	1700	6937	Tue	1X 10 13 16 202 6 8 10 1 3 1621 18 1 4 7 10 13 1 4 1 [Long Dash]	CW	(BR)
M23	10-6	1800	4951	Tue	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	10-6	1800	4951	Tue	55550 05550 05500 55005 50505 (R)	CW	(BR)
M23	10-6	1900	4951	Tue	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	10-6	1900	4951	Tue	55550 05550 05500 55005 50505 (R)	CW	(BR)
M23	10-6	2000	4951	Tue	15081769 (R)	CW	(AB)
M23	10-6	2000	4951	Tue	15081769 (R)	CW	(BR)
M23	10-6	2100	4951	Tue	15081769 (R)	CW	(AB)
M23	10-6	2100	4951	Tue	15081769 (R)	CW	(BR)
M23	10-6	2144	4951	Tue	LO48636017 LA1511114 (R)	CW	(BR)
M23	10-6	2145	4951	Tue	LO48636017 LA1511114 (R)	CW	(AB)
M23	11-6	1400	6937	Wed	15081769 (R)	CW	(AB)
M23	11-6	1400	6937	Wed	15081769 (R)	CW	(BR)
M23	11-6	1500	6937	Wed	15081769 (R)	CW	(AB)
M23	11-6	1500	6937	Wed	15081769 (R)	CW	(BR)
M23	11-6	1600	6937	Wed	15081769 (R)	CW	(AB)
M23	11-6	1600	6937	Wed	15081769 (R)	CW	(BR)
M23	11-6	1700	6937	Wed	1 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB)
M23	11-6	1700	6937	Wed	1X 10 13 16 202 6 8 10 1 3 1621 18 1 4 7 10 13 1 4 1 [Long Dash]	CW	(BR)
M23	11-6	1800	4951	Wed	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	11-6	1800	4951	Wed	50505 55550 05550 05500 55005 (R)	CW	(BR)
M23	11-6	1900	4951	Wed	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	11-6	1900	4951	Wed	50505 55550 05550 05500 55005 (R)	CW	(BR)
M23	11-6	2000	4951	Wed	15081769 (R)	CW	(AB)
M23	11-6	2000	4951	Wed	15081769 (R)	CW	(BR)
M23	11-6	2100	4951	Wed	15081769 (R)	CW	(AB)
M23	11-6	2100	4951	Wed	15081769 (R)	CW	(BR)
M23	11-6	2144	4951	Wed	LO48636017 LA1511114 (R)	CW	(BR)
M23	11-6	2145	4951	Wed	LO48636017 LA1511114 (R)	CW	(AB)
M23	12-6	1400	6937	Thu	15081769 (R)	CW	(AB)
M23	12-6	1500	6937	Thu	15081769 (R)	CW	(AB)
M23	12-6	1600	6937	Thu	15081769 (R)	CW	(AB)
M23	12-6	1700	6937	Thu	1 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB)
M23	12-6	1800	4951	Thu	50505 55550 05550 05500 55005 (R)	CW	(AB)

M23	12-6	1900	4951	Thu	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	12-6	2000	4951	Thu	15081769 (R)	CW	(AB)
M23	12-6	2100	4951	Thu	15081769 (R)	CW	(AB)
M23	12-6	2145	4951	Thu	LO48636017 LA1511114 (R)	CW	(AB)
M23	13-6	1404	6937	Fri	15081769 (R)	CW	(AB)
M23	13-6	1500	6937	Fri	15081769 (R)	CW	(AB)
M23	13-6	1600	6937	Fri	15081769 (R)	CW	(AB)
M23	13-6	1700	6937	Fri	1 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB)
M23	13-6	1800	4951	Fri	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	13-6	1900	4951	Fri	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	13-6	2000	4951	Fri	15081769 (R)	CW	(AB)
M23	13-6	2100	4951	Fri	15081769 (R)	CW	(AB)
M23	13-6	2145	4951	Fri	LO48636017 LA1511114 (R)	CW	(AB)
M23	14-6	1400	6937	Sat	15081769 (R)	CW	(AB)
M23	14-6	1500	6937	Sat	15081769 (R)	CW	(AB)
M23	14-6	1600	6937	Sat	15081769 (R)	CW	(AB)
M23	14-6	1700	6937	Sat	1 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB)
M23	14-6	1800	4951	Sat	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	14-6	1900	4951	Sat	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	14-6	2000	4951	Sat	15081769 (R)	CW	(AB)
M23	14-6	2100	4951	Sat	15081769 (R)	CW	(AB)
M23	14-6	2145	4951	Sat	LO48636017 LA1511114 (R)	CW	(AB)
M23	15-6	1310	9886	Sun	50505 55550 05550 05500 55005 (R) 15081769 (R)	CW	(Carlo)
M23	15-6	1400	6937	Sun	15081769 (R)	CW	(AB)
M23	15-6	1500	6937	Sun	15081769 (R)	CW	(AB)
M23	15-6	1600	6937	Sun	15081769 (R)	CW	(AB)
M23	15-6	1700	6937	Sun	1 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB)
M23	15-6	1800	4951	Sun	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	15-6	1900	4951	Sun	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	15-6	2000	4951	Sun	15081769 (R)	CW	(AB)
M23	15-6	2100	4951	Sun	15081769 (R)	CW	(AB)
M23	15-6	2145	4951	Sun	LO48636017 LA1511114 (R)	CW	(AB)
M23	16-6	0700	9886	Mon	1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.	CW	(AB)
M23	16-6	0800	9886	Mon	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	16-6	0900	9886	Mon	1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.	CW	(AB)
M23	16-6	1000	9886	Mon	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	16-6	1100	9886	Mon	1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.	CW	(AB)
M23	16-6	1200	9886	Mon	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	16-6	1300	9886	Mon	Hourly beep. 15081769 (R) a0 1317z	CW	(AB)
M23	16-6	1400	6937	Mon	15081769 (R)	CW	(AB)
M23	16-6	1500	6937	Mon	15081769 (R)	CW	(AB)
M23	16-6	1600	6937	Mon	15081769 (R)	CW	(AB)

M23	16-6	1700	6937	Mon	1 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB)
M23	16-6	1800	4951	Mon	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	16-6	1900	4951	Mon	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	16-6	2000	4951	Mon	15081769 (R)	CW	(AB)
M23	16-6	2100	4951	Mon	15081769 (R)	CW	(AB)
M23	16-6	2145	4951	Mon	LO48636017 LA1511114 (R)	CW	(AB)
M23	17-6	0700	9886	Tue	1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.	CW	(AB)
M23	17-6	0800	9886	Tue	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	17-6	0900	9886	Tue	1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.	CW	(AB)
M23	17-6	1000	9886	Tue	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	17-6	1100	9886	Tue	1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.	CW	(AB)
M23	17-6	1200	9886	Tue	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	17-6	1300	9886	Tue	15081769 (R)	CW	(AB)
M23	17-6	1400	6937	Tue	15081769 (R)	CW	(AB)
M23	17-6	1500	6937	Tue	15081769 (R)	CW	(AB)
M23	17-6	1600	6937	Tue	15081769 (R)	CW	(AB)
M23	17-6	1700	6937	Tue	1 4 10 13 16 202 6 8 10 1 3 16 223 etc.	CW	(AB)
M23	17-6	1800	4951	Tue	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	17-6	1900	4951	Tue	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	17-6	2000	4951	Tue	15081769 (R)	CW	(AB)
M23	17-6	2100	4951	Tue	15081769 (R)	CW	(AB)
M23	17-6	2145	4951	Tue	LO48636017 LA1511114 (R)	CW	(AB)
M23	18-6	0700	9886	Wed	1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.	CW	(AB)
M23	18-6	0800	9886	Wed	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	18-6	0900	9886	Wed	1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.	CW	(AB)
M23	18-6	1000	9886	Wed	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	18-6	1100	9886	Wed	1 4 7 10 13 16 202 6 8 10 1 3 16 223 24 21 18 14 12 94 2 160 etc.	CW	(AB)
M23	18-6	1200	9886	Wed	50505 55550 05550 05500 55005 (R)	CW	(AB)
M23	18-6	1300	9886	Wed	15081769 (R)	CW	(AB)
M23	19-6	1159	9886	Thu	Hourly beep	CW	(AB)
M23	19-6	1259	9886	Thu	Hourly beep	CW	(AB)
M23	19-6	1559	9886	Thu	Hourly beep	CW	(AB)
M23	20-6	1559	9886	Fri	Hourly beep	CW	(AB)
M23	21-6	1359	9886	Sat	Hourly beep	CW	(AB)
M23	22-6	1459	9886	Sun	Hourly beep	CW	(AB)
M23	23-6	1259	9886	Mon	Hourly beep	CW	(AB)
M23	24-6	1459	9886	Tue	Hourly beep	CW	(AB)
M23	25-6	0800	9886	Wed	Hourly beep	CW	(BR)
M23	25-6	1500	10755	Wed	LO48636017 LA1511114 (R)	CW	(PY)
M23	26-6	1500	10755	Thu	LO48636017 LA1511114 (R)	CW	(PY)
M23	27-6	1500	10755	Fri	LO48636017 LA1511114 (R)	CW	(PY)
M23	28-6	1500	10755	Sat	LO48636017 LA1511114 (R)	CW	(PY)

M23	29-6	1500	10755	Sun	LO48636017 LA1511114 (R)	CW	(PY)
M23	30-6	1500	10755	Mon	LO48636017 LA1511114 (R)	CW	(PY)
M42	5-6	0745	16028	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0748	16028	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0749	17521	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0751	16028	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0752	17521	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0754	16028	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0755	17521	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0758	17521	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0800	16028	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0801	17521	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-6	0809	17519	Thu	Russian diplo. Oes0	Serdolik v2	(RO)
M42	5-6	0814	16026	Thu	Russian diplo	Serdolik v2	(RO)
M42	5-6	0819	16026	Thu	Russian diplo	Serdolik v2	(RO)
M42	5-6	0911	17450	Thu	Russian diplo	MFSK-66	(RO)
M42	5-6	0925	15862	Thu	Russian diplo	MFSK-66	(RO)
M42	5-6	1000	17474	Thu	Russian diplo	MFSK-66	(AB)
M42	12-6	1256	16156	Thu	UAL: MFA Mowscow wkg UAG: Russian embassy Havana	FSK 50/500	(TJ)
M42	12-6	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow	FSK 50/500	(TJ)
M42	24-6	0747	13420	Tue	Russian diplo	Serdolik v2	(AB)
M42	24-6	0755	13420	Tue	Russian diplo	Serdolik v2	(AB)
M42b	2-6	0555	10500	Mon	RAZ2: Russian PTP link 290751 wkg RWB5	FSK 50/500	(TJ)
M42b	2-6	0637	15870	Mon	REA9: Russian PTP link 15940 wkg RPD2	FSK CW	(TJ)
M42b	2-6	0648	9124	Mon	Russian intel. Opchat ok sl k. bk qrv rpt k rpt k	CW	(TJ)
M42b	9-6	0710	11065	Mon	RWB3: Russian PTP link 350741 wkg RCQ4. RVQ4 de RWB3 QRK?	FSK 50/500	(TJ)
M42b	9-6	0725	8115	Mon	RWI: Russian PTP link 121747 wkg RYF2. vvv ryf2 ryf2 ryf2 de rwi rwi qrk 0 zor	FSK 50/500	(TJ)
M42b	9-6	0736	5800	Mon	RYF2: Russian PTP link 219741 wkg RWI. rwi de ryf2 ok zor ok znn gb 73 sk	FSK 50/500	(TJ)
M42b	11-6	0804	12184	Wed	RVQ4: Russian PTP link 121745 wkg RWB3	FSK CW	(TJ)
m42b	17-6	0725	9185	Tue	REA: Russian PTP link 121748 wkg RNM2; rnm2 rnm2 rnm2 de rea rea qrk 0 zor gd 121748	FSK 50/500	(TJ)
M42b	18-6	0801	16354	Wed	PG67: Russian intel wkg F8PW. Header 309 100 18 0755 8634	FSK 50/500	(TJ)
M42b	19-6	0553	12210	Thu	RWB5: Russian PTP link 350751 wkg RAZ2. RAZ2 de RWB5 QRK? QRU? followed by a message	FSK 50/5000	(TJ)
M42b	19-6	0713	11445	Thu	OBZLQPCAUJ RTHZLQPCAUJ RYTHZLQTEKFUJ QOQQQQOQ MOOOOO OQQQQOQ MOOOOO OQQQQOQ MOOOOOOOOOOOOOOOOOOO...	FSK 50/500	(AB)
M42b	20-6	0711	14485	Fri	RTK6: Russian PTP link 121746	FSK 50/500	(TJ)
M42b	20-6	1229	12062	Fri	K4MT: Russian intel. wkg NT9P. qsa2 qsa? qtc1 zzc. Header: 865 100 20 1220 8912	FSK 50/500	(TJ)
M42b	23-6	0620	11470	Mon	RGY2: Russian PTP link 380741, readability check with RTK2 on 17475 kHz. vvv rtk2 rtk2 rtk2 de rgy2 rgy2 qrk4 qrk?	FSK 50/500	(TJ)
M42b	23-6	0847	17475.9	Mon	RTK2: Russian PTP link 121742, readability check with RGY2 on 11470 kHz. Ended with 121742 rgy2 de rtk2 qrk? 121742 121742 121742	FSK 50/500	(TJ)

M42b	23-6	1030	9130	Mon	RVM: Russian PTP link 121752, readability check with UIA7	FSK 50/500	(AB/TJ)
M42b	26-6	1232	16023	Thu	KFUJ RTHZLQPCAUJ THZLQMO OVJ O OOOOOOQO OVJ O OOOOOOQO OVJ O OOOOOOOOOOOOOO ...	FSK 50/500	(AB)
M89	1-6	1142	4850	Sun	VVV UND (x3) DE CD2 (X2)	CW	(JPL)
M89	1-6	1211	4357	Sun	V 3JWV (x3) DE QSVP (x2) NR 2177/MZ 2010 RMKS 9686 TO 9962 =	CW	(JPL)
M89	1-6	1216	4118	Sun	V 3JWV (x3) DE QSVP (x2) NR 0699 CK 99 86 06 01 1945 RMKS 2991 TO 2935 =	CW	(JPL)
M89	1-6	1543	4357	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	1-6	1543	5742	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	1-6	1604	5877	Sun	NR 5724 CK 51 20 06 02 0000 RMKS 6610 TO 6613 =	CW	(JPL)
M89	1-6	1658	5122	Sun	i.p. NR 024 CK 139 41 06 02 0052 RMKS 3963 TO 3962 = NR 025 CK 139 31 06 02 0114 RMKS 3963 TO 3962 =	CW	(JPL)
M89	2-6	1320	4860	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	2-6	1320	6840	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	2-6	1330	4720	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	2-6	1330	5150	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	2-6	1340	4850	Mon	VVV UIS (x3) DE HVV (X2)	CW	(JPL)
M89	2-6	1620	4860	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	2-6	1620	6840	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	2-6	1630	4720	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	2-6	1630	4726	Mon	VVV QPL (x3) DE 4WQ (X2)	CW	(JPL)
M89	2-6	1630	5150	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	2-6	1640	4850	Mon	VVV UND (x3) DE CD2 (X2)	CW	(JPL)
M89	2-6	1654	5665	Mon	i.p. NR 066 CK 139 80 06 03 0050 RMKS 8574 TO 8686 =	CW	(JPL)
M89	4-6	1640	4357	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	4-6	1640	5742	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	4-6	1647	4756.5	Wed	V 3JWV (x3) DE QSVP (x2) ABC DE FGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M ...	CW	(JPL)
M89	5-6	1017	8375	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-6	1017	12124	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-6	1020	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	5-6	1132	8384	Thu	i.p. NR 2419/EX 1932 RMKS 6632 TO 6616 = FGG/6A AR	CW	(JPL)
M89	5-6	1135	8452	Thu	i.p. F7N4 ... EEE NR 032/EX 1935 = Q2N0/B1K4 AR QSY 10 VV	CW	(JPL)
M89	5-6	1139	9048	Thu	i.p. EEE NR 9886/EX 1938 RMKS 0388 TO 0395 = 6W8/8NJ AR	CW	(JPL)
M89	5-6	1520	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	5-6	1520	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	5-6	1605	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-6	1605	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-6	1611	4952	Thu	i.p. EEE NR 6911/EX 0012 RMKS 0381 TO 0314 = GIK1/SBV2 AR K	CW	(JPL)
M89	5-6	1620	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	5-6	1620	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	5-6	1630	4720	Thu	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	5-6	1630	5150	Thu	VVV WNF (x3) DE FXM (X2)	CW	(JPL)

M89	5-6	1640	4850	Thu	VVV UIS (x3) DE HV4 (X2)	CW	(JPL)
M89	5-6	1650	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-6	1650	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	6-6	1620	4860	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	6-6	1620	6840	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	6-6	1630	4720	Fri	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	6-6	1630	5150	Fri	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	6-6	1640	4850	Fri	VVV UIS (x3) DE HV4 (X2)	CW	(JPL)
M89	6-6	1650	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	6-6	1650	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	9-6	1120	4860	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	9-6	1120	6840	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	9-6	1124	6801	Mon	i.p. EE NR 1508/EX 1924 = U2J3/X6N7 AR QSY 21 QSY 21 VVV	CW	(JPL)
M89	9-6	1130	7620	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	9-6	1130	8350	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	9-6	1202	4357	Mon	V 3JWV (x3) DE QSVP (x2) NR 2255/MZ 2003 RMKS 9666 TO 9998 = //5742 kHz (This message was sent using	CW	(JPL)
M89	10-6	1204	4357	Tue	V 3JWV (x3) DE QSVP (x2) NR ... CK 99 46 06 10 2015 RMKS 9666 TO 9916 9476 9981 = //5742 kHz	CW	(JPL)
M89	10-6	1607	3711	Tue	i.p. NR 1291/EX 0006 = WSB/B5X AR QSY 4 VVV	CW	(JPL)
M89	10-6	1620	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	10-6	1620	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	10-6	1622	4956	Tue	i.p. QSY 22 QSY 22 VVV	CW	(JPL)
M89	10-6	1624	5311	Tue	i.p. NR 1186/EX 0024 = ST4/C5R2 AR QSY 23 VVV	CW	(JPL)
M89	10-6	1631	5558	Tue	VVV DS7K DE SI3N K. R QSA 2 IEC = J4FJ AR K. AS K. VVV 5KJD DE SI3N K ...	CW	(JPL)
M89	12-6	1320	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	12-6	1320	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	12-6	1330	5150	Thu	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	12-6	1340	4850	Thu	VVV UIS (x3) DE HV4 (X2)	CW	(JPL)
M89	12-6	1346	5487	Thu	V TW.D DE YH8P	CW	(JPL)
M89	13-6	1100	8375	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	13-6	1100	12124	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	13-6	1120	4860	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	13-6	1120	6840	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	13-6	1130	8350	Fri	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	13-6	1134	8384	Fri	i.p. NR 563/EX 1933 RMKS 5 632 TO ..16 = EF/T4 AR K	CW	(JPL)
M89	13-6	1140	7620	Fri	VVV UIS (x3) DE HV4 (X2)	CW	(JPL)
M89	13-6	1458	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	13-6	1458	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	13-6	1520	4860	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	13-6	1520	6840	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	13-6	1820	4860	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)

M89	13-6	1820	6840	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	14-6	1415	6833	Sat	V 2953 DE 8CHR M89	CW	(JPL)
M89	14-6	1420	4860	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	14-6	1420	6840	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	20-6	1120	4860	Fri	V Q2M (x3) DE NYZ (x2) M89 (Remote tuner Thailand) JPL FRI	CW	(JPL)
M89	20-6	1120	6840	Fri	V Q2M (x3) DE NYZ (x2) M89 (Remote tuner Thailand) JPL FRI	CW	(JPL)
M89	20-6	1130	8350	Fri	VVV WNF (x3) DE FXM (X2) M89 (Remote tuner Thailand) JPL FRI	CW	(JPL)
M89	20-6	1140	7620	Fri	VVV UIS (x3) DE HV4 (X2) M89 (Remote tuner Thailand) JPL FRI	CW	(JPL)
M89	20-6	1155	4357	Fri	V 3JWV (x3) DE QSVP (x2) M89 (Remote tuner Taiwan) JPL FRI	CW	(JPL)
M89	20-6	1155	5742	Fri	V 3JWV (x3) DE QSVP (x2) M89 (Remote tuner Taiwan) JPL FRI	CW	(JPL)
M89	20-6	1155	8375	Fri	V 3JWV (x3) DE QSVP (x2) M89 (Remote tuner Japan) JPL FRI	CW	(JPL)
M89	20-6	1155	12124	Fri	V 3JWV (x3) DE QSVP (x2) M89 (Remote tuner Japan) JPL FRI	CW	(JPL)
M89	22-6	0135	13868	Sun	W2JT W2JT W2JT de 2RIA 2RIA K	CW	(KX0DW-J)
M89	22-6	1938	4357	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	22-6	1943	4850	Sun	VVV YIG (x3) DE CQ2 (X2)	CW	(JPL)
M89	22-6	1952	5242	Sun	i.p. TO 1540 =	CW	(JPL)
M89	23-6	1120	4860	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	23-6	1120	6840	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	23-6	1130	8350	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	23-6	1140	7620	Mon	VVV UIS (x3) DE HV4 (X2)	CW	(JPL)
M89	23-6	1141	8410	Mon	i.p. NR .89 CK 51 55 0623 1930 RMKS 1686 TO 5570 =	CW	(JPL)
M89	23-6	1149	4156	Mon	NR 029 CK 29 35 0623 1446 = NR 45 CK 125 35 0623 1535 =	CW	(JPL)
M89	23-6	1155	4122	Mon	V C5ER (x3) DE 9UTL (x2)	CW	(JPL)
M89	23-6	1157	4357	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-6	1157	5742	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-6	1320	4860	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	23-6	1320	6840	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	23-6	1340	4850	Mon	VVV YIG (x3) DE CQ2 (X2)	CW	(JPL)
M89	23-6	1520	4860	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	23-6	1520	6840	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	23-6	1530	4720	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	23-6	1530	5150	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	23-6	1549	4576	Mon	i.p. NR 099/CCK CK 81 42 0623 2350 RMKS 6333 TO 6487 =	CW	(JPL)
M89	23-6	1840	4850	Mon	VVV YIG (x3) DE CQ2 (X2)	CW	(JPL)
M89	23-6	1840	4860	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	23-6	1840	5450	Mon	VVV YIG (x3) DE CQ2 (X2)	CW	(JPL)
M89	23-6	1840	6840	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	23-6	1906	4357	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-6	1906	5742	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-6	1909	4122	Mon	V C5ER (x3) DE 9UTL (x2)	CW	(JPL)
M89	24-6	1052	5742	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-6	1052	8375	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)

M89	24-6	1052	12124	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-6	1554	5504	Tue	i.p. NR 246 CK 51 75 0624 2340 RMKS 0428 TO 0.92 =	CW	(JPL)
M89	24-6	1820	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	24-6	1820	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	24-6	1830	4720	Tue	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	24-6	1830	5150	Tue	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	24-6	1840	4850	Tue	VVV YIG (x3) DE CQ2 (X2)	CW	(JPL)
M89	25-6	1520	4860	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	25-6	1520	6840	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	26-6	1116	12124	Thu	V 3JWV (x3) DE QSVP (x2) on 4375//5742//8375//12124 kHz	CW	(JPL)
M89	26-6	1119	4375	Thu	V 3JWV (x3) DE QSVP (x2) on 4375//5742//8375//12124 kHz	CW	(JPL)
M89	26-6	1119	5742	Thu	V 3JWV (x3) DE QSVP (x2) on 4375//5742//8375//12124 kHz	CW	(JPL)
M89	26-6	1119	8375	Thu	V 3JWV (x3) DE QSVP (x2) on 4375//5742//8375//12124 kHz	CW	(JPL)
M89	26-6	1120	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	26-6	1120	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	26-6	1130	7620	Thu	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	26-6	1205	6876	Thu	NR 0537 CK 041 35 0626 1555 =	CW	(JPL)
M89	26-6	1602	4721	Thu	i.p. NR 1732/EX 0000 = EO2/CA0 AR QSY 04 QSY 04 VVV	CW	(JPL)
M89	26-6	1606	4721	Thu	3S5M FFF NR 1734/EX 0006 = TA2/O8E4 AR QSY 06 QSY 06 VVV	CW	(JPL)
M89	27-6	1103	4348	Fri	i.p. SVC NR 1362 2220 SVC QRW RMF 8497 TO 4291/4499/4040 = QRW E90 4291 2350 COMM 747 AR K HR WK 299	CW	(JPL)
M95	1-6	1204	4532	Sun	i.p. NR 0544 CK 038 35 06 01 1611 =	CW	(JPL)
M95	1-6	1208	4156	Sun	i.p. NR 045 CK 21 35 06 01 1606 =	CW	(JPL)
M95	2-6	1623	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	4-6	1630	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	4-6	1630	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	5-6	1010	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	5-6	1202	9042	Thu	NR 092 CK 43 35 06 05 1429 = NR 10 CK 137 35 06 05 1531 =	CW	(JPL)
M95	5-6	1526	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	5-6	1635	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	5-6	1705	7912	Thu	NR 51/CCK CK 81 16 06 07 0050 RMKS 2503 TO 2159 =	CW	(JPL)
M95	6-6	1635	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	6-6	1705	7912	Fri	i.p. NR 51/CCK CK 81 16 06 07 0050 RMKS 2503 TO 2159 =	CW	(JPL)
M95	9-6	1155	9042	Mon	i.p. NR 001 CK 58 35 06 09 1604 =	CW	(JPL)
M95	10-6	1151	9042	Tue	NR 003 CK 38 35 06 10 1506 = //4156 kHz	CW	(JPL)
M95	10-6	1558	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	12-6	1317	6557	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	12-6	1317	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-6	1057	11475	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-6	1151	9042	Fri	NR 009 CK 38 35 06 13 1524 =	CW	(JPL)
M95	13-6	1503	3903	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-6	1503	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)

M95	13-6	1818	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-6	1151	9042	Sat	NR 011 CK 54 35 0614 1522 = //4156 kHz	CW	(JPL)
M95	20-6	1149	4156	Fri	NR 023 CK 24 35 0620 1507 = NR 40 CK 178 35 0620 1540 =	CW	(JPL)
M95	22-6	1917	5569	Sun	Message	CW	(JPL)
M95	22-6	1941	3903	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-6	1941	6886	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-6	1126	11475	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-6	1327	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-6	1327	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-6	1327	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-6	1327	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-6	1911	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-6	1911	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	24-6	1057	11475	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	25-6	1531	3904	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	25-6	1531	6889	Wed	V WCJJ (x3) DE HBDD (x2) Freq change: 6889 vice 6886 kHz	CW	(JPL)
M95	26-6	1115	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	26-6	1141	4156	Thu	NR 035 CK 40 35 0626 1454 = NR 52 CK 120 35 0626 1506 =	CW	(JPL)
M95	26-6	1544	3904	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	26-6	1544	6889	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
MC03	10-6	1800	5099.5	Tue	18wpm cut numbers, sample msg 916 235459 9277 845 57	CW	(KX0DW-J)
MC03	20-6	1252	18521	Fri	Chinese Air Defense i.p. 9632 4793445934605259 0570 4427823643218 etc.	CW	(KX0DW-AUT)
NB	18-6	1715	5365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	18-6	1715	6365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	18-6	1715	8365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
P03	1-6	1515	19972	Sun	Polish intel.	PSK	(AB)
P03	1-6	1520	19972	Sun	Polish intel.	PSK	(AB)
P03	3-6	1500	9130	Tue	Polish intel.	PSK	(AB)
P03	3-6	1505	9130	Tue	Polish intel.	PSK	(AB)
P03	5-6	0630	17535	Thu	Polish intel.	PSK	(AB)
P03	5-6	0635	17535	Thu	Polish intel.	PSK	(AB)
P03	5-6	1950	8680	Thu	Polish intel.	PSK	(AB)
P03	5-6	1955	8680	Thu	Polish intel.	PSK	(AB)
P03	6-6	0530	6797	Fri	Polish intel.	PSK	(AB)
P03	6-6	0535	6797	Fri	Polish intel.	PSK	(AB)
P03	6-6	1500	9130	Fri	Polish intel.	PSK	(AB)
P03	6-6	1505	9130	Fri	Polish intel.	PSK	(AB)
P03	7-6	1245	6252	Sat	Polish intel.	PSK	(AB)
P03	7-6	1250	6252	Sat	Polish intel.	PSK	(AB)
P03	7-6	1310	11103	Sat	Polish intel.	PSK	(AB)
P03	7-6	1315	11103	Sat	Polish intel.	PSK	(AB)
P03	8-6	1245	6252	Sun	Polish intel.	PSK	(AB)

P03	8-6	1250	6252	Sun	Polish intel.	PSK	(AB)
P03	8-6	1515	19972	Sun	Polish intel.	PSK	(AB)
P03	8-6	1520	19972	Sun	Polish intel.	PSK	(AB)
P03	8-6	1725	14410	Sun	Polish intel.	PSK	(AB)
P03	8-6	1730	14410	Sun	Polish intel.	PSK	(AB)
P03	8-6	1950	8680	Sun	Polish intel.	PSK	(AB)
P03	8-6	1955	8680	Sun	Polish intel.	PSK	(AB)
P03	10-6	1500	9130	Tue	Polish intel.	PSK	(AB)
P03	10-6	1505	9130	Tue	Polish intel.	PSK	(AB)
P03	10-6	1725	14410	Tue	Polish intel.	PSK	(AB)
P03	10-6	1730	14410	Tue	Polish intel.	PSK	(AB)
P03	11-6	0630	17535	Wed	Polish intel.	PSK	(AB)
P03	11-6	0635	17535	Wed	Polish intel.	PSK	(AB)
P03	11-6	1310	11103	Wed	Polish intel.	PSK	(AB)
P03	11-6	1315	11103	Wed	Polish intel.	PSK	(AB)
P03	12-6	0630	17535	Thu	Polish intel.	PSK	(AB)
P03	12-6	0635	17535	Thu	Polish intel.	PSK	(AB)
P03	12-6	1950	8680	Thu	Polish intel.	PSK	(AB)
P03	12-6	1955	8680	Thu	Polish intel.	PSK	(AB)
P03	13-6	1100	9063	Fri	Polish intel.	PSK	(AB)
P03	13-6	1105	9063	Fri	Polish intel.	PSK	(AB)
P03	13-6	1515	19972	Fri	Polish intel.	PSK	(AB)
P03	13-6	1520	19972	Fri	Polish intel.	PSK	(AB)
P03	14-6	1020	7469	Sat	Polish intel.	PSK	(AB)
P03	14-6	1025	7469	Sat	Polish intel.	PSK	(AB)
P03	14-6	1245	6252	Sat	Polish intel.	PSK	(AB)
P03	14-6	1250	6252	Sat	Polish intel.	PSK	(AB)
P03	14-6	1310	11103	Sat	Polish intel.	PSK	(AB)
P03	14-6	1315	11103	Sat	Polish intel.	PSK	(AB)
P03	15-6	0530	6797	Sun	Polish intel.	PSK	(AB)
P03	15-6	0535	6797	Sun	Polish intel.	PSK	(AB)
P03	15-6	1245	6252	Sun	Polish intel.	PSK	(AB)
P03	15-6	1250	6252	Sun	Polish intel.	PSK	(AB)
P03	15-6	1515	19972	Sun	Polish intel.	PSK	(AB)
P03	15-6	1520	19972	Sun	Polish intel.	PSK	(AB)
P03	15-6	1725	14410	Sun	Polish intel.	PSK	(AB)
P03	15-6	1730	14410	Sun	Polish intel.	PSK	(AB)
P03	15-6	1950	8680	Sun	Polish intel.	PSK	(AB)
P03	15-6	1955	8680	Sun	Polish intel.	PSK	(AB)
P03	16-6	0630	17535	Mon	Polish intel.	PSK	(AB)
P03	16-6	0635	17535	Mon	Polish intel.	PSK	(AB)
P03	17-6	0630	17535	Tue	Polish intel.	PSK	(AB)

P03	17-6	0635	17535	Tue	Polish intel.	PSK	(AB)
P03	17-6	1500	9130	Tue	Polish intel.	PSK	(AB)
P03	17-6	1505	9130	Tue	Polish intel.	PSK	(AB)
P03	17-6	1725	14410	Tue	Polish intel.	PSK	(AB)
P03	17-6	1730	14410	Tue	Polish intel.	PSK	(AB)
P03	18-6	0630	17535	Wed	Polish intel.	PSK	(AB)
P03	18-6	0635	17535	Wed	Polish intel.	PSK	(AB)
P03	18-6	1310	11103	Wed	Polish intel.	PSK	(AB)
P03	18-6	1315	11103	Wed	Polish intel.	PSK	(AB)
P03	19-6	1950	8680	Thu	Polish intel.	PSK	(AB)
P03	19-6	1955	8680	Thu	Polish intel.	PSK	(AB)
P03	20-6	1100	9063	Fri	Polish intel.	PSK	(AB)
P03	20-6	1105	9063	Fri	Polish intel.	PSK	(AB)
P03	20-6	1515	19972	Fri	Polish intel.	PSK	(AB)
P03	20-6	1520	19972	Fri	Polish intel.	PSK	(AB)
P03	21-6	1020	7469	Sat	Polish intel.	PSK	(AB)
P03	21-6	1025	7469	Sat	Polish intel.	PSK	(AB)
P03	21-6	1245	6252	Sat	Polish intel.	PSK	(AB)
P03	21-6	1250	6252	Sat	Polish intel.	PSK	(AB)
P03	21-6	1310	11103	Sat	Polish intel.	PSK	(AB)
P03	21-6	1315	11103	Sat	Polish intel.	PSK	(AB)
P03	22-6	0530	6797	Sun	Polish intel.	PSK	(AB)
P03	22-6	0535	6797	Sun	Polish intel.	PSK	(AB)
P03	22-6	1020	7469	Sun	Polish intel.	PSK	(AB)
P03	22-6	1025	7469	Sun	Polish intel.	PSK	(AB)
P03	22-6	1100	9063	Sun	Polish intel.	PSK	(AB)
P03	22-6	1105	9063	Sun	Polish intel.	PSK	(AB)
P03	22-6	1220	18405	Sun	Polish intel.	PSK	(AB)
P03	22-6	1225	18405	Sun	Polish intel.	PSK	(AB)
P03	22-6	1245	6252	Sun	Polish intel.	PSK	(AB)
P03	22-6	1250	6252	Sun	Polish intel.	PSK	(AB)
P03	22-6	1515	19972	Sun	Polish intel.	PSK	(AB)
P03	22-6	1520	19972	Sun	Polish intel.	PSK	(AB)
P03	22-6	1725	14410	Sun	Polish intel.	PSK	(AB)
P03	22-6	1730	14410	Sun	Polish intel.	PSK	(AB)
P03	22-6	1950	8680	Sun	Polish intel.	PSK	(AB)
P03	22-6	1955	8680	Sun	Polish intel.	PSK	(AB)
P03	23-6	0630	17535	Mon	Polish intel.	PSK	(AB)
P03	23-6	0635	17535	Mon	Polish intel.	PSK	(AB)
P03	24-6	0630	17535	Tue	Polish intel.	PSK	(AB)
P03	24-6	0635	17535	Tue	Polish intel.	PSK	(AB)
P03	24-6	1500	9130	Tue	Polish intel.	PSK	(AB)

P03	24-6	1505	9130	Tue	Polish intel.	PSK	(AB)
P03	24-6	1725	14410	Tue	Polish intel.	PSK	(AB)
P03	24-6	1730	14410	Tue	Polish intel.	PSK	(AB)
P03	25-6	0630	17535	Wed	Polish intel.	PSK	(AB)
P03	25-6	0635	17535	Wed	Polish intel.	PSK	(AB)
P03	25-6	1310	11103	Wed	Polish intel.	PSK	(AB)
P03	25-6	1315	11103	Wed	Polish intel.	PSK	(AB)
P03	26-6	0630	17535	Thu	Polish intel.	PSK	(AB)
P03	26-6	0635	17535	Thu	Polish intel.	PSK	(AB)
P03	26-6	1950	8680	Thu	Polish intel.	PSK	(AB)
P03	26-6	1955	8680	Thu	Polish intel.	PSK	(AB)
P03	27-6	1100	9063	Fri	Polish intel.	PSK	(AB)
P03	27-6	1105	9063	Fri	Polish intel.	PSK	(AB)
P03	27-6	1515	19972	Fri	Polish intel.	PSK	(AB)
P03	27-6	1520	19972	Fri	Polish intel.	PSK	(AB)
P03	28-6	1020	7469	Sat	Polish intel.	PSK	(AB)
P03	28-6	1025	7469	Sat	Polish intel.	PSK	(AB)
P03	28-6	1245	6252	Sat	Polish intel.	PSK	(AB)
P03	28-6	1250	6252	Sat	Polish intel.	PSK	(AB)
P03	28-6	1310	11103	Sat	Polish intel.	PSK	(AB)
P03	28-6	1315	11103	Sat	Polish intel.	PSK	(AB)
P03	29-6	0530	6797	Sun	Polish intel.	PSK	(AB)
P03	29-6	0535	6797	Sun	Polish intel.	PSK	(AB)
P03	29-6	1020	7469	Sun	Polish intel.	PSK	(AB)
P03	29-6	1025	7469	Sun	Polish intel.	PSK	(AB)
P03	29-6	1100	9063	Sun	Polish intel.	PSK	(AB)
P03	29-6	1105	9063	Sun	Polish intel.	PSK	(AB)
P03	29-6	1220	18405	Sun	Polish intel.	PSK	(AB)
P03	29-6	1225	18405	Sun	Polish intel.	PSK	(AB)
P03	29-6	1245	6252	Sun	Polish intel.	PSK	(AB)
P03	29-6	1250	6252	Sun	Polish intel.	PSK	(AB)
P03	29-6	1515	19972	Sun	Polish intel.	PSK	(AB)
P03	29-6	1520	19972	Sun	Polish intel.	PSK	(AB)
P03	29-6	1725	14410	Sun	Polish intel.	PSK	(AB)
P03	29-6	1730	14410	Sun	Polish intel.	PSK	(AB)
P03	29-6	1950	8680	Sun	Polish intel.	PSK	(AB)
P03	29-6	1955	8680	Sun	Polish intel.	PSK	(AB)
P03	30-6	0630	17535	Mon	Polish intel.	PSK	(AB)
P03	30-6	0635	17535	Mon	Polish intel.	PSK	(AB)
P03	30-6	1220	18405	Mon	Polish intel.	PSK	(AB)
P03	30-6	1225	18405	Mon	Polish intel.	PSK	(AB)
P03g	11-6	1030	9399	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)

P03g	11-6	1035	9399	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-6	1030	9399	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-6	1035	9399	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-6	1030	9399	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-6	1035	9399	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-6	1030	9399	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-6	1035	9399	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-6	1030	9399	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-6	1035	9399	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-6	1030	9399	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-6	1035	9399	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03j	11-6	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	11-6	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-6	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-6	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	18-6	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	18-6	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-6	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-6	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	25-6	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	25-6	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-6	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-6	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-6	0630	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-6	0635	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-6	0630	8545	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-6	0635	8545	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-6	1230	20167	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-6	1235	20167	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-6	1730	9079	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-6	1735	9079	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-6	0630	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-6	0635	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-6	1230	20167	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-6	1235	20167	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-6	1730	9079	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-6	1735	9079	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-6	0630	8545	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-6	0635	8545	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-6	1230	20167	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-6	1235	20167	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-6	1730	9079	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	14-6	1735	9079	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-6	0630	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-6	0635	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-6	1230	20167	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-6	1235	20167	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-6	1730	9079	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-6	1735	9079	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-6	0630	8545	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-6	0635	8545	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-6	1230	20167	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-6	1235	20167	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-6	1730	9079	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-6	1735	9079	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-6	0630	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-6	0635	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-6	1230	20167	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-6	1235	20167	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-6	1730	9079	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-6	1735	9079	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-6	0630	8545	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-6	0635	8545	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-6	1230	20167	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-6	1235	20167	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-6	1730	9079	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-6	1735	9079	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-6	0630	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-6	0635	8545	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	6-6	1345	14753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-6	1350	14753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	11-6	1345	14753	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	11-6	1350	14753	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-6	1200	9443	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-6	1205	9443	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-6	1345	14753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-6	1350	14753	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	16-6	1200	9443	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	16-6	1205	9443	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	18-6	1345	14753	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	18-6	1350	14753	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	19-6	1200	9443	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	19-6	1205	9443	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	23-6	1200	9443	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	23-6	1205	9443	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-6	1345	14753	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-6	1350	14753	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-6	1200	9443	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-6	1205	9443	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-6	1200	9443	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-6	1205	9443	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	1-6	1400	9224	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-6	1420	7589	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-6	1420	8124	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-6	1430	6854	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-6	1440	5829	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-6	1450	5284	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-6	1400	9224	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-6	1410	8124	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-6	1420	7589	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-6	1430	6854	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-6	1440	5829	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-6	1450	5284	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-6	1400	9224	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-6	1410	8124	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-6	1420	7589	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-6	1430	6854	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-6	1440	5829	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-6	1450	8254	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-6	1400	9224	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-6	1410	8124	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-6	1420	7589	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-6	1430	6854	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-6	1440	5829	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-6	1450	8254	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-6	1400	9224	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-6	1420	7589	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-6	1420	8124	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-6	1430	6854	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-6	1440	5829	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-6	1450	5284	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-6	1400	9224	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-6	1410	8124	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-6	1420	7589	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-6	1430	6854	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-6	1440	5829	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	18-6	1450	8254	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-6	1400	9224	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-6	1420	7589	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-6	1420	8124	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-6	1430	6854	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-6	1440	5829	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-6	1450	5284	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-6	1400	9224	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-6	1410	8124	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-6	1420	7589	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-6	1430	6854	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-6	1440	5829	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-6	1450	8254	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-6	1400	9224	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-6	1420	7589	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-6	1420	8124	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-6	1430	6854	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-6	1440	5829	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-6	1450	5284	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	5-6	1145	9042	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	26-6	0709	16276.5	Thu	i.p. 5RS5 5RS5 5RSR DE BYWE BYWE BYWE XYXYXYXYXY HR MSG GA 1540 800 24 0626 1655 ...	4+4 QPSK 75/3000 LSB	(EW)
Q26	26-6	0713	16276.5	Thu	U0RJ U0RJ DE B6RP B6RP B6RP XYXYXYXYXY OK BOZ NIL SK / -X	4+4 QPSK 75/3000 LSB	(EW)
S06	2-6	0400	11616	Mon	480 167 53 21415 64725 97824 ... 26514 12316 _____ 167 53 00000	USB	(PY)
S06	2-6	0420	9322	Mon	480 167 53 21415 64725 97824 ... 26514 12316 _____ 167 53 00000	USB	(PY)
S06	3-6	0400	11616	Tue	480 167 53 21415 64725 97824 ... 26514 12316 _____ 167 53 00000	USB	(PY)
S06	3-6	0420	9322	Tue	480 167 53 21415 64725 97824 ... 26514 12316 _____ 167 53 00000	USB	(PY)
S06	4-6	0400	11616	Wed	480 253 26 51804 32798 84542 ... 92611 26421 81317 253 26 480 719 27 03781 23850 02337 ... 85369 00862 89964 719 27 00000	USB	(Subilo)
S06	4-6	0420	9322	Wed	480 253 26 51804 32798 84542 ... 92611 26421 81317 253 26 480 719 27 03781 23850 02337 ... 85369 00862 89964 719 27 00000	USB	(Subilo)
S06	5-6	0400	11616	Thu	480 253 26 51804 32798 84542 ... 92611 26421 81317 253 26 480 719 27 03781 23850 02337 ... 85369 00862 89964 719 27 00000	USB	(Subilo)
S06	5-6	0420	9322	Thu	480 253 26 51804 32798 84542 ... 92611 26421 81317 253 26 480 719 27 03781 23850 02337 ... 85369 00862 89964 719 27 00000	USB	(Subilo)
S06	6-6	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	6-6	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	6-6	2000	11149	Fri	842 842 842 00000	USB	(AB/HFD)
S06	6-6	2100	9205	Fri	842 842 842 00000	USB	(AB/HFD)
S06	9-6	0400	11616	Mon	480 632 55 23036 04259 13713 ... 35092 95636 29511 632 55 00000	USB	(Subilo)
S06	9-6	0420	9322	Mon	480 632 55 23036 04259 13713 ... 35092 95636 29511 632 55 00000	USB	(Subilo)
S06	10-6	0400	11616	Tue	480 632 55 23036 04259 13713 ... 35092 95636 29511 632 55 00000	USB	(Subilo)

S06	10-6	0420	9322	Tue	480 632 55 23036 04259 13713 ... 35092 95636 29511 632 55 00000	USB	(Subilo)
S06	11-6	0400	11616	Wed	480 480 480 00000	USB	(Subilo)
S06	11-6	0420	9322	Wed	480 480 480 00000	USB	(Subilo)
S06	16-6	0400	11616	Mon	480 951 60 89078 75429 23492 ... 09884 23421 73451 951 60 00000	USB	(Subilo)
S06	16-6	0420	9322	Mon	480 951 60 89078 75429 23492 ... 09884 23421 73451 951 60 00000	USB	(Subilo)
S06	17-6	0400	11616	Tue	480 951 60 89078 75429 23492 ... 09884 23421 73451 951 60 00000	USB	(Subilo)
S06	17-6	0420	9322	Tue	480 951 60 89078 75429 23492 ... 09884 23421 73451 951 60 00000	USB	(Subilo)
S06	20-6	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	20-6	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	20-6	2000	11149	Fri	842 842 842 00000	USB	(AB)
S06	20-6	2100	9205	Fri	842 842 842 00000	USB	(AB)
S06	23-6	0400	11616	Mon	480 793 56 66423 05469 53382 ... 53615 90713 41974 793 56 00000	USB	(Subilo)
S06	23-6	0420	9322	Mon	480 793 56 66423 05469 53382 ... 53615 90713 41974 793 56 00000	USB	(Subilo)
S06	24-6	0400	11616	Tue	480 793 56 66423 05469 53382 ... 53615 90713 41974 793 56 00000	USB	(Subilo)
S06	24-6	0420	9322	Tue	480 793 56 66423 05469 53382 ... 53615 90713 41974 793 56 00000	USB	(Subilo)
S06	25-6	0400	11616	Wed	480 621 30 34423 23524 21726 ... 76258 66181 05716 621 30 480 953 27 23469 55635 50327 ... 09941 52906 36431 953 27 00000	USB	(Subilo)
S06	25-6	0420	9322	Wed	480 621 30 34423 23524 21726 ... 76258 66181 05716 621 30 480 953 27 23469 55635 50327 ... 09941 52906 36431 953 27 00000	USB	(Subilo)
S06	26-6	0400	11616	Thu	480 621 30 34423 23524 21726 ... 76258 66181 05716 621 30 480 953 27 23469 55635 50327 ... 09941 52906 36431 953 27 00000	USB	(Subilo)
S06	26-6	0420	9322	Thu	480 621 30 34423 23524 21726 ... 76258 66181 05716 621 30 480 953 27 23469 55635 50327 ... 09941 52906 36431 953 27 00000	USB	(Subilo)
S06	27-6	0400	12211	Fri	480 480 480 00000 (wrong freq)	USB	(Subilo)
S06	27-6	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	30-6	0400	11616	Mon	Off at 0404z. Restart at 0806z. 480 671 52 22723 15403 55473 ... 84726 42382 74852 671 52 00000	USB	(Subilo/Lac)
S06	30-6	0420	9322	Mon	480 671 52 22723 15403 55473 ... 84726 42382 74852 671 52 00000	USB	(Subilo/Lac)
S11a	1-6	0830	5149	Sun	377/00 Konets	USB	(AB/Lac)
S11a	3-6	1400	9448	Tue	424/00 Konets	USB	(AB)
S11a	5-6	0700	9339	Thu	472/00 Konets	USB	(AB)
S11a	6-6	0720	18773	Fri	389/37 Vnimanaye 16791 88935 95839 ... 08627 18775 92880 Vnimanaye (msg rptd) Konets	USB	(Lac)
S11a	6-6	1400	9448	Fri	429/00 Konets	USB	(AB)
S11a	7-6	0830	5149	Sat	378/00 Konets	USB	(AB)
S11a	7-6	1850	12457	Sat	282/35 Vnimanaye 66854 79062 34119 ... 94834 71963 04885 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	8-6	0830	5149	Sun	377/00 Konets	USB	(AB)
S11a	9-6	0700	9339	Mon	477/33 Vnimanaye 81406 80872 70094 ... 70017 94231 59218 Vnimanaye (msg rptd) Konets	USB	(AB/Lac)
S11a	10-6	1400	9448	Tue	426/40 Vnimanaye 05022 02690 06446 ... 44641 52546 72879 Vnimanaye (msg rptd) Konets	USB	(AB)

S11a	11-6	0510	16357	Wed	652/00 Konets	USB	(AB)
S11a	11-6	1850	12457	Wed	288/00 Konets	USB	(AB)
S11a	12-6	0700	9339	Thu	477/33 Vnimanije 81406 80872 70094 ... 70017 94231 59218 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	13-6	0725	18773	Fri	380/00 Konets	USB	(Lac)
S11a	13-6	0915	6814	Fri	480/00 Konets	USB	(AB)
S11a	13-6	1400	9448	Fri	426/40 Vnimanije 05022 02690 06446 ... 44641 52546 72879 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	14-6	0830	5149	Sat	373/32 Vnimanije 23126 54776 58498 ... 88375 45204 11232 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	14-6	1850	12457	Sat	284/00 Konets	USB	(AB)
S11a	15-6	0830	5149	Sun	373/32 Vnimanije 23126 54776 58498 ... 88375 45204 11232 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	16-6	0510	16357	Mon	654/00 Konets	USB	(AB-POL)
S11a	16-6	0700	9339	Mon	478/00 Konets	USB	(AB/Lac)
S11a	16-6	0915	6814	Mon	485/33 Vnimanije 97916 44423 38630 ... 64668 26370 63658 Vnimanije (msg rptd) Konets	USB	(AB/Lac)
S11a	17-6	1400	9448	Tue	429/00 Konets	USB	(AB)
S11a	18-6	0725	18773	Wed	384/00 Konets	USB	(Lac)
S11a	18-6	1850	12457	Wed	288/00 Konets	USB	(AB)
S11a	19-6	0700	9339	Thu	471/00 Konets	USB	(AB)
S11a	20-6	0725	18773	Fri	389/00 Konets	USB	(AB-POL)
S11a	20-6	0915	6814	Fri	485/33 Vnimanije 97916 44423 38630 ... 64668 26370 63658 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	20-6	1400	9448	Fri	421/00 Konets	USB	(AB)
S11a	21-6	0830	5149	Sat	376/00 Konets	USB	(AB)
S11a	21-6	1850	12457	Sat	287/00 Konets	USB	(AB)
S11a	22-6	0830	5149	Sun	378/00 Konets	USB	(AB)
S11a	23-6	0510	16357	Mon	650/38 Vnimanije 52630 34405 01441 ... 13868 62108 42812 Vnimanije (msg rptd) Konets	USB	(AB-POL)
S11a	23-6	0700	9339	Mon	471/00 Konets	USB	(AB/Lac)
S11a	23-6	0915	6814	Mon	483/00 Konets	USB	(AB/Lac)
S11a	24-6	0445	9968	Tue	Message (too weak to copy)	USB	(TM)
S11a	24-6	1400	9448	Tue	425/00 Konets	USB	(AB)
S11a	24-6	1400	9448	Tue	425/00	USB	(Lac)
S11a	25-6	0510	16357	Wed	650/38 Vnimanije 52630 34405 01441 ... 13868 62108 42812 Vnimanije (msg rptd) Konets	USB	(AB-POL)
S11a	25-6	0725	18773	Wed	380/00 Konets	USB	(AB-POL)
S11a	25-6	1850	12457	Wed	288/00 Konets	USB	(AB)
S11a	26-6	0445	9968	Thu	791/31 Vnimanije (too weak to copy)	USB	(AB)
S11a	26-6	0700	9339	Thu	471/00 Konets	USB	(AB)
S11a	27-6	0725	18773	Fri	384/00 Konets	USB	(AB-POL)

S11a	27-6	0915	6814	Fri	485/00 Konets	USB	(AB)
S11a	27-6	1400	9448	Fri	427/00 Konets	USB	(AB)
S11a	28-6	0830	5149	Sat	370/00 Konets	USB	(AB)
S11a	28-6	1850	12457	Sat	287/00 Konets	USB	(AB)
S11a	29-6	0830	5149	Sun	376/00 Konets	USB	(AB)
S11a	30-6	0510	16357	Mon	652/00 Konets	USB	(AB-POL/Lac)
S11a	30-6	0700	9339	Mon	470/00 Konets	USB	(AB/Lac)
UM01	4-6	0700	4735	Wed	VVV VVV PROMRCh = 04 06 = 1000 0790 0820 0930 1430 ... 0800 0740 0770 0890 1270 = AR	CW	(AB-GRC)
UM01	5-6	0700	4735	Thu	VVV VVV PROMRCh = 05 06 = 1000 0780 0810 0920 1430 ... 0800 0730 0760 0880 1270 = AR	CW	(AB-GRC)
UM04	6-6	0700	4735	Fri	VVV VVV PROMRCh = 06 06 = 1000 0780 0810 0920 1430 ... 0800 0730 0760 0880 1270 = AR	CW	(AB-GRC)
UM04	8-6	0700	4735	Sun	VVV VVV PROMRCh = 08 06 = 1000 0770 0800 0910 1430 ... 0800 0720 0760 0870 1270 = AR	CW	(AB-GRC)
UM04	9-6	0700	4735	Mon	VVV VVV PROMRCh = 09 06 = 1000 0770 0800 0910 1420 ... 0800 0720 0760 0870 1260 = AR	CW	(AB-GRC)
UM04	11-6	0700	4735	Wed	VVV VVV PROMRCh = 11 06 = 1000 0760 0790 0900 1420 ... 0800 0710 0740 0850 1260 = AR	CW	(AB-HNG)
UM04	13-6	0701	4735	Fri	VVV VVV PROMRCh = 13 06 = 1000 0750 0770 0880 1400 ... 0800 0690 0720 0840 1240 = AR	CW	(AB-GRC)
UM04	14-6	0700	4735	Sat	VVV VVV PROMRCh = 14 06 = 1000 0740 0770 0880 1390 ... 0800 0680 0710 0830 1240 = AR	CW	(AB-GRC)
UM04	15-6	0700	4735	Sun	VVV VVV PROMRCh = 15 06 = 1000 0730 0760 0870 1390 ... 0800 0670 0700 0810 1240 = AR	CW	(AB-GRC)
UM04	16-6	0700	4735	Mon	VVV VVV PROMRCh = 16 06 = 1000 0710 0750 0860 1390 ... 0800 0650 0690 0800 1240 = AR	CW	(AB-HRV)
UM04	17-6	0700	4735	Tue	VVV VVV PROMRCh = 17 06 = 1000 0700 0730 0850 1390 ... 0800 0650 0680 0780 1240 = AR	CW	(AB-HRV)
UM04	18-6	0700	4735	Wed	VVV VVV PROMRCh = 18 06 = 1000 0710 0740 0850 1390 ... 0800 0650 0680 0790 1230 = AR	CW	(AB-HRV)
UM04	21-6	0700	4735	Sat	VVV VVV PROMRCh = 21 06 = 1000 0720 0740 0850 1390 ... 0660 0690 0800 1230 = ABV. Last group is missing. Message was not repeated.	CW	(AB-GRC)
UM04	22-6	0700	4735	Sun	VVV VVV PROMRCh = 22 06 = 1000 0710 0740 0850 1390 ... 0800 0660 0690 0800 1220 = AR	CW	(AB-GRC)
UM04	23-6	0700	4735	Mon	VVV VVV PROMRCh = 23 06 = 1000 0720 0750 0860 1380 ... 0800 0670 0700 0810 1220 = AR	CW	(AB-HRV)
UM04	26-6	0700	4735	Thu	VVV VVV PROMRCh = 26 06 = 1000 0730 0760 0870 1380 ... 0800 0690 0720 0820 1230 = AR	CW	(AB)
UM04	28-6	0700	4735	Sat	VVV VVV PROMRCh = 28 06 = 1000 0720 0740 0850 1390 ... 0800 0670 0700 0810 1230 = AR	CW	(AB-HNG)
UM04	30-6	0700	4735	Mon	VVV VVV PROMRCh = 30 06 = 1000 0710 0740 0850 1390 ... 0800 0660 0690 0800 1230 = AR	CW	(AB-HNG)
V07	1-6	0700	13927	Sun	942 942 942 1 8723 63 8723 63 60552 91898 56972 ... 77150 44504 46057 000 000	USB	(AB-J/Dan/Lac/HFD)
V07	1-6	0720	13427	Sun	942 942 942 1 8723 63 8723 63 60552 91898 56972 ... 77150 44504 46057 000 000	USB	(AB-J/Lac/HFD)
V07	1-6	0740	12127	Sun	942 942 942 1 8723 63 8723 63 60552 91898 56972 ... 77150 44504 46057 000 000	USB	(AB-J/Lac/HFD)
V07	8-6	0700	13927	Sun	942 942 942 1 8982 94 8982 94 55568 78879 06973 ... 98228 68980 49685 000 000	USB	(AB-J/Dan/Lac)
V07	8-6	0720	13427	Sun	942 942 942 1 8982 94 8982 94 55568 78879 06973 ... 98228 68980 49685 000 000	USB	(AB-J/Lac)
V07	8-6	0740	12127	Sun	942 942 942 1 8982 94 8982 94 55568 78879 06973 ... 98228 68980 49685 000 000	USB	(AB-J)
V07	15-6	0700	13927	Sun	942 942 942 1 9566 115 9566 115 35007 62559 48135 ... 42654 87463 69806 000 000	USB	(AB-J/Dan/Lac)
V07	15-6	0720	13427	Sun	942 942 942 1 9566 115 9566 115 35007 62559 48135 ... 42654 87463 69806 000 000	USB	(AB-J/Lac)
V07	15-6	0740	12127	Sun	942 942 942 1 9566 115 9566 115 35007 62559 48135 ... 42654 87463 69806 000 000	USB	(AB-J/Lac)
V07	22-6	0700	13927	Sun	942 942 942 1 6448 82 6448 82 84753 82086 32732 ... 13832 26933 26835 000 000	USB	(AB-KOR/Dan)
V07	22-6	0720	13427	Sun	942 942 942 1 6448 82 6448 82 84753 82086 32732 ... 13832 26933 26835 000 000	USB	(AB-KOR)
V07	22-6	0740	12127	Sun	942 942 942 1 6448 82 6448 82 84753 82086 32732 ... 13832 26933 26835 000 000	USB	(AB-KOR)
V07	29-6	0700	13927	Sun	942 942 942 1 7931 104 7931 104 52876 80151 72078 ... 36759 35060 02993 000 000	USB	(AB-J/Lac)
V07	29-6	0720	13427	Sun	942 942 942 1 7931 104 7931 104 52876 80151 72078 ... 36759 35060 02993 000 000	USB	(AB-J/Lac)
V07	29-6	0740	12127	Sun	942 942 942 1 7931 104 7931 104 52876 80151 72078 ... 36759 35060 02993 000 000	USB	(AB-J/Lac)

V13	1-6	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 1450, 5995, 9899	USB	(FSpy)
V13	2-6	0100	20025	Mon	New Star Broadcasting. Station 4. Messages to units 0792, 6023, 8567	USB	(FSpy)
V13	2-6	0200	8169	Mon	New Star Broadcasting. Station 1. Messages to units 2496, 6455, 6693	USB	(FSpy)
V13	5-6	0330	9276	Thu	New Star Broadcasting. Station 2. Messages to units 2604, 7441, 9607	USB	(FSpy)
V13	8-6	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 7120, 8093, 9291	USB	(FSpy)
V13	8-6	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 2998, 6561, 9446	USB	(FSpy)
V13	8-6	0200	8169	Sun	New Star Broadcasting. Station 1. Messages to units 0066, 5504, 6359	USB	(FSpy)
V13	15-6	0030	15890	Sun	New Star Broadcasting. Station 3. Messages to units 3669, 4408, 8228	USB	(FSpy)
V13	15-6	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 6520, 6659, 9565	USB	(FSpy)
V13	15-6	0300	11430	Sun	New Star Broadcasting. Station 1. Messages to units 0038, 6324, 8566	USB	(FSpy)
V13	22-6	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1318, 3180, 4452	USB	(FSpy)
V13	24-6	0100	18040	Tue	New Star Broadcasting. Station 3. Messages to units 3199, 5910, 6564	USB	(FSpy)
V13	25-6	0130	20025	Wed	New Star Broadcasting. Station 4. Messages to units 3702, 7316, 8440	USB	(FSpy)
V13	29-6	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 5168, 5246, 6996	USB	(FSpy)
V13	29-6	0200	8300	Sun	New Star Broadcasting. Station 2. Messages to units 2952, 6343, 8077	USB	(FSpy)
V13a	7-6	0130	19052	Sat	New Star Broadcasting. Station 1. Messages to units 3252, 3676, 3698, 3745	AM	(FSpy)
V13a	12-6	0100	19052	Thu	New Star Broadcasting. Station 1. Messages to units 3935, 3990, 4037, 4082, 4218	AM	(FSpy)
V13a	16-6	0100	19052	Mon	New Star Broadcasting. Station 1. Messages to units 4270, 4667, 4943, 5090, 5356, 5510	AM	(FSpy)
V26	10-6	1143	9042	Tue	Messages //4156 kHz	USB	(JPL)
V26	13-6	1142	9042	Fri	Messages	USB	(JPL)
V26	14-6	1143	9042	Sat	Messages //4156 kHz	USB	(JPL)
V26	22-6	1915	5569	Sun	Message	USB	(JPL)
V26	23-6	1145	4146	Mon	Message	USB	(JPL)
V26	26-6	1141	4156	Thu	Message	USB	(JPL)
X06	3-6	0850	16188	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	3-6	0858	18523	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	4-6	0858	14405	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(Moon)
X06	4-6	0858	14631	Wed	MFA Moscow clg 362154: Russian embassy Athens	MFSK-6	(Moon)
X06	5-6	0805	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(RO)
X06	5-6	0858	17517	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(Moon)
X06	5-6	0858	19511	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(Moon)
X06	5-6	0858	13448	Thu	MFA Moscow clg 162543: Russian embassy Nicosia	MFSK-6	(RO)
X06	5-6	0918	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(RO)
X06	9-6	0826	20690	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Moon)
X06	11-6	0742	13369	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(Moon)
X06	18-6	0653	14405	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(AB/Moon)
X06	18-6	1117	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB/Moon)
X06	20-6	0827	13954	Fri	MFA Moscow clg 213546: Russian embassy Islamabad	MFSK-6	(RO)
X06	23-6	0929	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/Moon)
X06	24-6	0756	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/Moon)
X06	24-6	0809	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Moon)

X06	30-6	0638	12100	Mon	654321 for 6 minutes	MFSK-6	(AB)
X06	30-6	0730	12100	Mon	Carrier only. Off at 0800z. At 0820z: 123456. Off at 1140z	MFSK-6	(AB)
XPA1	4-6	1210	13545	Wed	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(PY/HFD)
XPA1	4-6	1230	12145	Wed	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(PY/HFD)
XPA1	4-6	1250	11145	Wed	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(PY/HFD)
XPA1	6-6	1210	13545	Fri	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(AB/PY)
XPA1	6-6	1230	12145	Fri	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(AB/PY)
XPA1	6-6	1250	11145	Fri	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(AB/PY)
XPA1	11-6	1210	13545	Wed	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(AB)
XPA1	11-6	1230	12145	Wed	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(AB)
XPA1	11-6	1250	11145	Wed	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(AB)
XPA1	13-6	1210	13545	Fri	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(AB)
XPA1	13-6	1230	12145	Fri	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(AB)
XPA1	13-6	1250	11145	Fri	511 511 511 1 00937 00163 52581 ... 11677 60575 65305	MFSK-20/10Bd	(AB)
XPA1	18-6	1210	13545	Wed	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	18-6	1230	12145	Wed	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	18-6	1250	11145	Wed	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	20-6	1210	13545	Fri	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	20-6	1230	12145	Fri	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	20-6	1250	11145	Fri	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	25-6	1210	13545	Wed	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	25-6	1230	12145	Wed	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	25-6	1250	11145	Wed	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	27-6	1210	13545	Fri	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	27-6	1230	12145	Fri	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA1	27-6	1250	11145	Fri	511 511 511 1 03367 00099 16174 ... 60140 62449 16734	MFSK-20/10Bd	(AB)
XPA2	29-5	1400	13418	Thu	00272 00096 25956 ... 92884 30551 07161	MFSK-16/20Bd	(PY)
XPA2	29-5	1410	12163	Thu	00272 00096 25956 ... 92884 30551 07161	MFSK-16/20Bd	(PY)
XPA2	29-5	1420	11477	Thu	00272 00096 25956 ... 92884 30551 07161	MFSK-16/20Bd	(PY)
XPA2	2-6	0700	12148	Mon	07640 00001 00000 34263	MFSK-16/20Bd	(PY/HFD)
XPA2	2-6	0720	13448	Mon	07640 00001 00000 34263	MFSK-16/20Bd	(HFD)
XPA2	2-6	0740	13948	Mon	07640 00001 00000 34263	MFSK-16/20Bd	(PY/HFD)
XPA2	2-6	0910	17417	Mon	01677 00001 00000 37660	MFSK-16/20Bd	(PY/HFD)
XPA2	2-6	0930	15812	Mon	01677 00001 00000 37660	MFSK-16/20Bd	(HFD)
XPA2	2-6	0950	14504	Mon	01677 00001 00000 37660	MFSK-16/20Bd	(PY/HFD)
XPA2	2-6	1400	13418	Mon	Active	MFSK-16/20Bd	(FD)
XPA2	2-6	1410	12163	Mon	Active	MFSK-16/20Bd	(FD)
XPA2	2-6	1420	11477	Mon	Active	MFSK-16/20Bd	(FD)
XPA2	2-6	1500	14892	Mon	02941 00126 09203 ... 54828 41194 53707	MFSK-16/20Bd	(PY/HFD)
XPA2	2-6	1520	13492	Mon	02941 00126 09203 ... 54828 41194 53707	MFSK-16/20Bd	(PY/HFD)
XPA2	2-6	1540	12192	Mon	02941 00126 09203 ... 54828 41194 53707	MFSK-16/20Bd	(HFD)
XPA2	3-6	1100	15874	Tue	02843 00001 00000 10140	MFSK-16/20Bd	(HFD)

XPA2	3-6	1120	14474	Tue	02843 00001 00000 10140	MFSK-16/20Bd	(PY/HFD)
XPA2	3-6	1140	13374	Tue	02843 00001 00000 10140	MFSK-16/20Bd	(HFD)
XPA2	3-6	1700	18691	Tue	07755 00096 76361 ... 00482 91285 62226	MFSK-16/20Bd	(PY/HFD)
XPA2	3-6	1720	14752	Tue	07755 00096 76361 ... 00482 91285 62226	MFSK-16/20Bd	(PY/HFD)
XPA2	3-6	1740	16267	Tue	07755 00096 76361 ... 00482 91285 62226	MFSK-16/20Bd	(HFD)
XPA2	4-6	0700	12148	Wed	03357 00001 00000 36260	MFSK-16/20Bd	(AB/PY)
XPA2	4-6	0720	13448	Wed	03357 00001 00000 36260	MFSK-16/20Bd	(AB/PY)
XPA2	4-6	0740	13948	Wed	03357 00001 00000 36260	MFSK-16/20Bd	(AB/PY)
XPA2	4-6	0910	19489	Wed	07435 00001 00000 35662	MFSK-16/20Bd	(PY/HFD)
XPA2	4-6	0930	18038	Wed	07435 00001 00000 35662	MFSK-16/20Bd	(PY/HFD)
XPA2	4-6	0950	17453	Wed	07435 00001 00000 35662	MFSK-16/20Bd	(PY/HFD)
XPA2	4-6	1100	15982	Wed	05704 00102 87636 ... 26241 95390 33552	MFSK-16/20Bd	(PY/HFD)
XPA2	4-6	1120	14982	Wed	05704 00102 87636 ... 26241 95390 33552	MFSK-16/20Bd	(PY/HFD)
XPA2	4-6	1140	13882	Wed	05704 00102 87636 ... 26241 95390 33552	MFSK-16/20Bd	(HFD)
XPA2	4-6	1800	17474	Wed	04109 00296 27753 ... 68960 31905 13760	MFSK-16/20Bd	(AB/PY/HFD)
XPA2	4-6	1820	16247	Wed	04109 00296 27753 ... 68960 31905 13760	MFSK-16/20Bd	(AB/PY/HFD)
XPA2	4-6	1840	14574	Wed	04109 00296 27753 ... 68960 31905 13760	MFSK-16/20Bd	(AB/PY/HFD)
XPA2	5-6	0900	18182	Thu	06972 00001 00000 36665	MFSK-16/20Bd	(PY)
XPA2	5-6	0920	17428	Thu	06972 00001 00000 36665	MFSK-16/20Bd	(PY)
XPA2	5-6	1100	15982	Thu	Message	MFSK-16/20Bd	(AB)
XPA2	5-6	1120	14982	Thu	Message	MFSK-16/20Bd	(AB/PY)
XPA2	5-6	1140	13882	Thu	Message	MFSK-16/20Bd	(AB/PY)
XPA2	5-6	1700	18691	Thu	07755 00096 76361 ... 00482 91285 62226	MFSK-16/20Bd	(PY)
XPA2	5-6	1720	17452	Thu	07755 00096 76361 ... 00482 91285 62226	MFSK-16/20Bd	(PY)
XPA2	5-6	1740	16267	Thu	07755 00096 76361 ... 00482 91285 62226	MFSK-16/20Bd	(PY)
XPA2	6-6	1100	15874	Fri	06237 00001 00000 10140	MFSK-16/20Bd	(AB/PY)
XPA2	6-6	1120	14474	Fri	06237 00001 00000 10140	MFSK-16/20Bd	(AB/PY)
XPA2	6-6	1130	10643	Fri	05095 00193 07538 ... 76663 20942 01735	MFSK-16/20Bd	(PY)
XPA2	6-6	1140	13374	Fri	06237 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	6-6	1140	11431	Fri	05095 00193 07538 ... 76663 20942 01735	MFSK-16/20Bd	(PY)
XPA2	6-6	1150	13439	Fri	05095 00193 07538 ... 76663 20942 01735	MFSK-16/20Bd	(PY)
XPA2	6-6	1800	17474	Fri	04109 00296 27753 ... 68960 31905 13760	MFSK-16/20Bd	(AB)
XPA2	6-6	1820	16247	Fri	04109 00296 27753 ... 68960 31905 13760	MFSK-16/20Bd	(AB)
XPA2	6-6	1840	14574	Fri	04109 00296 27753 ... 68960 31905 13760	MFSK-16/20Bd	(AB)
XPA2	7-6	0900	18182	Sat	03296 00001 00000 35264	MFSK-16/20Bd	(AB/HFD)
XPA2	7-6	0920	17428	Sat	03296 00001 00000 35264	MFSK-16/20Bd	(AB/PY/HFD)
XPA2	7-6	0940	16321	Sat	03296 00001 00000 35264	MFSK-16/20Bd	(AB/PY/HFD)
XPA2	9-6	0700	12148	Mon	05046 00001 00000 34261	MFSK-16/20Bd	(AB/PY)
XPA2	9-6	0720	13448	Mon	05046 00001 00000 34261	MFSK-16/20Bd	(AB/PY)
XPA2	9-6	0740	13948	Mon	05046 00001 00000 34261	MFSK-16/20Bd	(AB/PY)
XPA2	9-6	0930	18038	Mon	09938 00089 86244 ... 57984 14570 64665	MFSK-16/20Bd	(PY)
XPA2	9-6	0950	17453	Mon	09938 00089 86244 ... 57984 14570 64665	MFSK-16/20Bd	(PY)

XPA2	9-6	1400	13418	Mon	Active	MFSK-16/20Bd	(FD)
XPA2	9-6	1410	12163	Mon	Active	MFSK-16/20Bd	(FD)
XPA2	9-6	1420	11477	Mon	Active	MFSK-16/20Bd	(FD)
XPA2	9-6	1430	12122	Mon	Active	MFSK-16/20Bd	(FD)
XPA2	9-6	1440	11504	Mon	Active	MFSK-16/20Bd	(FD)
XPA2	9-6	1450	10750	Mon	Active	MFSK-16/20Bd	(FD)
XPA2	9-6	1500	14892	Mon	09118 00001 00000 35662	MFSK-16/20Bd	(AB/PY)
XPA2	9-6	1520	13492	Mon	09118 00001 00000 35662	MFSK-16/20Bd	(AB/PY)
XPA2	9-6	1540	12192	Mon	09118 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	10-6	0410	19451	Tue	01001 00302 59088 ... 79949 31728 63445	MFSK-16/20Bd	(PY)
XPA2	10-6	0430	18038	Tue	01001 00302 59088 ... 79949 31728 63445	MFSK-16/20Bd	(PY)
XPA2	10-6	0440	17411	Tue	01001 00302 59088 ... 79949 31728 63445	MFSK-16/20Bd	(PY)
XPA2	10-6	0500	20402	Tue	01002 00360 31247 ... 22918 23241 35627	MFSK-16/20Bd	(PY)
XPA2	10-6	0550	16337	Tue	01002 00360 31247 ... 22918 23241 35627	MFSK-16/20Bd	(PY)
XPA2	10-6	0610	19624	Tue	01003 00475 65599 ... 51215 21711 54371	MFSK-16/20Bd	(PY)
XPA2	10-6	0620	18431	Tue	01003 00475 65599 ... 51215 21711 54371	MFSK-16/20Bd	(PY)
XPA2	10-6	0720	18253	Tue	01004 00343 04611 ... 57578 45291 44754	MFSK-16/20Bd	(PY)
XPA2	10-6	0740	15945	Tue	01004 00343 04611 ... 57578 45291 44754	MFSK-16/20Bd	(PY)
XPA2	10-6	0840	16052	Tue	01005 00431 34059 ... 76873 97764 42542	MFSK-16/20Bd	(PY)
XPA2	10-6	0910	19581	Tue	01006 00473 63976 ... 17692 08769 43026	MFSK-16/20Bd	(PY)
XPA2	10-6	0920	18394	Tue	01006 00473 63976 ... 17692 08769 43026	MFSK-16/20Bd	(PY)
XPA2	10-6	1100	15874	Tue	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(PY)
XPA2	10-6	1120	14474	Tue	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(PY)
XPA2	10-6	1620	13937	Tue	01007 00309 81815 ... 04017 58159 71364	MFSK-16/20Bd	(PY)
XPA2	10-6	1630	13434	Tue	01007 00309 81815 ... 04017 58159 71364	MFSK-16/20Bd	(PY)
XPA2	10-6	1700	18691	Tue	03375 00000 00000 35662	MFSK-16/20Bd	(AB)
XPA2	10-6	1720	17452	Tue	03375 00000 00000 35662	MFSK-16/20Bd	(AB/PY)
XPA2	10-6	1720	13567	Tue	01008 00396 80410 ... 36413 17391 74427	MFSK-16/20Bd	(PY)
XPA2	10-6	1730	12127	Tue	01008 00396 80410 ... 36413 17391 74427	MFSK-16/20Bd	(PY)
XPA2	10-6	1740	16267	Tue	03375 00000 00000 35662	MFSK-16/20Bd	(AB/PY)
XPA2	10-6	1840	16144	Tue	04047 00105 56967 ... 30600 38697 06363	MFSK-16/20Bd	(PY)
XPA2	10-6	1850	15885	Tue	04047 00105 56967 ... 30600 38697 06363	MFSK-16/20Bd	(PY)
XPA2	10-6	1900	17435	Tue	04047 00105 56967 ... 30600 38697 06363	MFSK-16/20Bd	(PY)
XPA2	11-6	0400	20082	Wed	04902 00331 17848 ... 38685 54332 21167	MFSK-16/20Bd	(AB)
XPA2	11-6	0410	19451	Wed	04902 00331 17848 ... 38685 54332 21167	MFSK-16/20Bd	(AB)
XPA2	11-6	0420	18656	Wed	04902 00331 17848 ... 38685 54332 21167	MFSK-16/20Bd	(AB)
XPA2	11-6	0430	18038	Wed	04902 00331 17848 ... 38685 54332 21167	MFSK-16/20Bd	(AB)
XPA2	11-6	0440	17411	Wed	04902 00331 17848 ... 38685 54332 21167	MFSK-16/20Bd	(AB)
XPA2	11-6	0450	16268	Wed	04902 00331 17848 ... 38685 54332 21167	MFSK-16/20Bd	(AB)
XPA2	11-6	0500	20402	Wed	06669 00307 96264 ... 61169 02963 43470	MFSK-16/20Bd	(AB)
XPA2	11-6	0510	19638	Wed	06669 00307 96264 ... 61169 02963 43470	MFSK-16/20Bd	(AB)
XPA2	11-6	0520	19106	Wed	06669 00307 96264 ... 61169 02963 43470	MFSK-16/20Bd	(AB)

XPA2	11-6	0530	18426	Wed	06669 00307 96264 ... 61169 02963 43470	MFSK-16/20Bd	(AB)
XPA2	11-6	0540	17438	Wed	06669 00307 96264 ... 61169 02963 43470	MFSK-16/20Bd	(AB)
XPA2	11-6	0550	16337	Wed	06669 00307 96264 ... 61169 02963 43470	MFSK-16/20Bd	(AB)
XPA2	11-6	0600	19624	Wed	02118 00242 01935 ... 40872 48357 62242	MFSK-16/20Bd	(AB)
XPA2	11-6	0610	19241	Wed	02118 00242 01935 ... 40872 48357 62242	MFSK-16/20Bd	(AB)
XPA2	11-6	0620	18431	Wed	02118 00242 01935 ... 40872 48357 62242	MFSK-16/20Bd	(AB)
XPA2	11-6	0630	17444	Wed	02118 00242 01935 ... 40872 48357 62242	MFSK-16/20Bd	(AB)
XPA2	11-6	0640	16194	Wed	02118 00242 01935 ... 40872 48357 62242	MFSK-16/20Bd	(AB)
XPA2	11-6	0650	15813	Wed	02118 00242 01935 ... 40872 48357 62242	MFSK-16/20Bd	(AB)
XPA2	11-6	0700	12148	Wed	03162 00001 00000 22661	MFSK-16/20Bd	(AB)
XPA2	11-6	0700	20447	Wed	06800 00296 85480 ... 37092 45307 25102	MFSK-16/20Bd	(AB)
XPA2	11-6	0710	19281	Wed	06800 00296 85480 ... 37092 45307 25102	MFSK-16/20Bd	(AB)
XPA2	11-6	0720	13448	Wed	03162 00001 00000 22661	MFSK-16/20Bd	(AB)
XPA2	11-6	0720	18253	Wed	06800 00296 85480 ... 37092 45307 25102	MFSK-16/20Bd	(AB)
XPA2	11-6	0730	16284	Wed	06800 00296 85480 ... 37092 45307 25102	MFSK-16/20Bd	(AB)
XPA2	11-6	0740	13948	Wed	03162 00001 00000 22661	MFSK-16/20Bd	(AB)
XPA2	11-6	0740	15945	Wed	06800 00296 85480 ... 37092 45307 25102	MFSK-16/20Bd	(AB)
XPA2	11-6	0750	14913	Wed	06800 00296 85480 ... 37092 45307 25102	MFSK-16/20Bd	(AB)
XPA2	11-6	0800	20166	Wed	09777 00263 43996 ... 12299 16876 73416	MFSK-16/20Bd	(AB)
XPA2	11-6	0810	19656	Wed	09777 00263 43996 ... 12299 16876 73416	MFSK-16/20Bd	(AB)
XPA2	11-6	0820	18232	Wed	09777 00263 43996 ... 12299 16876 73416	MFSK-16/20Bd	(AB)
XPA2	11-6	0830	17422	Wed	09777 00263 43996 ... 12299 16876 73416	MFSK-16/20Bd	(AB)
XPA2	11-6	0840	16052	Wed	09777 00263 43996 ... 12299 16876 73416	MFSK-16/20Bd	(AB)
XPA2	11-6	0850	15862	Wed	09777 00263 43996 ... 12299 16876 73416	MFSK-16/20Bd	(AB)
XPA2	11-6	0900	20728	Wed	07245 00299 74965 ... 99353 21068 15752	MFSK-16/20Bd	(AB)
XPA2	11-6	0910	19489	Wed	09938 00089 86244 ... 57984 14570 64665	MFSK-16/20Bd	(AB)
XPA2	11-6	0910	19581	Wed	07245 00299 74965 ... 99353 21068 15752	MFSK-16/20Bd	(AB)
XPA2	11-6	0920	18394	Wed	07245 00299 74965 ... 99353 21068 15752	MFSK-16/20Bd	(AB)
XPA2	11-6	0930	16343	Wed	07245 00299 74965 ... 99353 21068 15752	MFSK-16/20Bd	(AB)
XPA2	11-6	0930	18038	Wed	09938 00089 86244 ... 57984 14570 64665	MFSK-16/20Bd	(AB)
XPA2	11-6	0940	15963	Wed	07245 00299 74965 ... 99353 21068 15752	MFSK-16/20Bd	(AB)
XPA2	11-6	0950	14661	Wed	07245 00299 74965 ... 99353 21068 15752	MFSK-16/20Bd	(AB)
XPA2	11-6	0950	17453	Wed	09938 00089 86244 ... 57984 14570 64665	MFSK-16/20Bd	(AB)
XPA2	11-6	1100	15982	Wed	05704 00102 87636 ... 26241 95390 33552	MFSK-16/20Bd	(AB)
XPA2	11-6	1120	14982	Wed	05704 00102 87636 ... 26241 95390 33552	MFSK-16/20Bd	(AB)
XPA2	11-6	1140	13882	Wed	05704 00102 87636 ... 26241 95390 33552	MFSK-16/20Bd	(AB)
XPA2	11-6	1800	17474	Wed	08152 00098 93377 ... 92214 75725 50211	MFSK-16/20Bd	(AB)
XPA2	11-6	1820	16247	Wed	08152 00098 93377 ... 92214 75725 50211	MFSK-16/20Bd	(AB)
XPA2	11-6	1840	14574	Wed	08152 00098 93377 ... 92214 75725 50211	MFSK-16/20Bd	(AB)
XPA2	12-6	0440	17411	Thu	09637 00420 23454 ... 97021 98589 32406	MFSK-16/20Bd	(PY)
XPA2	12-6	0450	16268	Thu	09637 00420 23454 ... 97021 98589 32406	MFSK-16/20Bd	(PY)
XPA2	12-6	0500	20402	Thu	07529 00400 59921 ... 91908 32072 46037	MFSK-16/20Bd	(AB)

XPA2	12-6	0510	19638	Thu	07529 00400 59921 ... 91908 32072 46037	MFSK-16/20Bd	(AB)
XPA2	12-6	0520	19106	Thu	07529 00400 59921 ... 91908 32072 46037	MFSK-16/20Bd	(AB)
XPA2	12-6	0530	18426	Thu	07529 00400 59921 ... 91908 32072 46037	MFSK-16/20Bd	(AB)
XPA2	12-6	0540	17438	Thu	07529 00400 59921 ... 91908 32072 46037	MFSK-16/20Bd	(AB)
XPA2	12-6	0550	16337	Thu	07529 00400 59921 ... 91908 32072 46037	MFSK-16/20Bd	(AB)
XPA2	12-6	0600	19624	Thu	06782 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12-6	0610	19241	Thu	06782 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12-6	0620	18431	Thu	06782 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12-6	0630	17444	Thu	06782 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12-6	0640	16194	Thu	06782 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12-6	0650	15813	Thu	06782 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12-6	0700	20447	Thu	07084 00406 99986 ... 66702 02994 16716	MFSK-16/20Bd	(AB)
XPA2	12-6	0710	19281	Thu	07084 00406 99986 ... 66702 02994 16716	MFSK-16/20Bd	(AB)
XPA2	12-6	0720	18253	Thu	07084 00406 99986 ... 66702 02994 16716	MFSK-16/20Bd	(AB)
XPA2	12-6	0730	16284	Thu	07084 00406 99986 ... 66702 02994 16716	MFSK-16/20Bd	(AB)
XPA2	12-6	0740	15945	Thu	07084 00406 99986 ... 66702 02994 16716	MFSK-16/20Bd	(AB)
XPA2	12-6	0750	14913	Thu	07084 00406 99986 ... 66702 02994 16716	MFSK-16/20Bd	(AB)
XPA2	12-6	0800	20166	Thu	01695 00426 03887 ... 62706 24473 24550	MFSK-16/20Bd	(AB)
XPA2	12-6	0810	19656	Thu	01695 00426 03887 ... 62706 24473 24550	MFSK-16/20Bd	(AB)
XPA2	12-6	0820	18232	Thu	01695 00426 03887 ... 62706 24473 24550	MFSK-16/20Bd	(AB)
XPA2	12-6	0830	17422	Thu	01695 00426 03887 ... 62706 24473 24550	MFSK-16/20Bd	(AB)
XPA2	12-6	0840	16052	Thu	01695 00426 03887 ... 62706 24473 24550	MFSK-16/20Bd	(AB)
XPA2	12-6	0850	15862	Thu	01695 00426 03887 ... 62706 24473 24550	MFSK-16/20Bd	(AB)
XPA2	12-6	0900	18182	Thu	00870 00490 88587 ... 45836 40036 14177	MFSK-16/20Bd	(AB)
XPA2	12-6	0900	20728	Thu	05497 00397 94065 ... 02684 64867 05425	MFSK-16/20Bd	(AB)
XPA2	12-6	0910	19581	Thu	05497 00397 94065 ... 02684 64867 05425	MFSK-16/20Bd	(AB)
XPA2	12-6	0920	17428	Thu	00870 00490 88587 ... 45836 40036 14177	MFSK-16/20Bd	(AB)
XPA2	12-6	0920	18394	Thu	05497 00397 94065 ... 02684 64867 05425	MFSK-16/20Bd	(AB)
XPA2	12-6	0930	16343	Thu	05497 00397 94065 ... 02684 64867 05425	MFSK-16/20Bd	(AB)
XPA2	12-6	0940	15963	Thu	05497 00397 94065 ... 02684 64867 05425	MFSK-16/20Bd	(AB)
XPA2	12-6	0940	16321	Thu	00870 00490 88587 ... 45836 40036 14177	MFSK-16/20Bd	(AB)
XPA2	12-6	0950	14661	Thu	05497 00397 94065 ... 02684 64867 05425	MFSK-16/20Bd	(AB)
XPA2	12-6	1100	15982	Thu	05704 00102 76636 ... 26241 95390 33552	MFSK-16/20Bd	(AB)
XPA2	12-6	1120	14982	Thu	05704 00102 76636 ... 26241 95390 33552	MFSK-16/20Bd	(AB)
XPA2	12-6	1140	13882	Thu	05704 00102 76636 ... 26241 95390 33552	MFSK-16/20Bd	(AB)
XPA2	12-6	1600	14947	Thu	05604 00357 98747 ... 49153 78228 30555	MFSK-16/20Bd	(AB)
XPA2	12-6	1610	14407	Thu	05604 00357 98747 ... 49153 78228 30555	MFSK-16/20Bd	(AB)
XPA2	12-6	1620	13937	Thu	05604 00357 98747 ... 49153 78228 30555	MFSK-16/20Bd	(AB)
XPA2	12-6	1630	13434	Thu	05604 00357 98747 ... 49153 78228 30555	MFSK-16/20Bd	(AB)
XPA2	12-6	1640	12104	Thu	05604 00357 98747 ... 49153 78228 30555	MFSK-16/20Bd	(AB)
XPA2	12-6	1650	11532	Thu	05604 00357 98747 ... 49153 78228 30555	MFSK-16/20Bd	(AB)
XPA2	12-6	1700	15951	Thu	03398 00367 33520 ... 53211 02821 37307	MFSK-16/20Bd	(AB)

XPA2	12-6	1700	18691	Thu	06238 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	12-6	1710	14521	Thu	03398 00367 33520 ... 53211 02821 37307	MFSK-16/20Bd	(AB)
XPA2	12-6	1720	13567	Thu	03398 00367 33520 ... 53211 02821 37307	MFSK-16/20Bd	(AB)
XPA2	12-6	1720	17452	Thu	06238 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	12-6	1730	12127	Thu	03398 00367 33520 ... 53211 02821 37307	MFSK-16/20Bd	(AB)
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XPA2	12-6	1740	16267	Thu	06238 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	12-6	1750	10421	Thu	03398 00367 33520 ... 53211 02821 37307	MFSK-16/20Bd	(AB)
XPA2	13-6	0400	20082	Fri	04403 00368 24044 ... 53708 41263 35286	MFSK-16/20Bd	(AB)
XPA2	13-6	0410	19451	Fri	04403 00368 24044 ... 53708 41263 35286	MFSK-16/20Bd	(AB)
XPA2	13-6	0420	18656	Fri	04403 00368 24044 ... 53708 41263 35286	MFSK-16/20Bd	(AB)
XPA2	13-6	0430	18038	Fri	04403 00368 24044 ... 53708 41263 35286	MFSK-16/20Bd	(AB)
XPA2	13-6	0440	17411	Fri	04403 00368 24044 ... 53708 41263 35286	MFSK-16/20Bd	(AB)
XPA2	13-6	0450	16268	Fri	04403 00368 24044 ... 53708 41263 35286	MFSK-16/20Bd	(AB)
XPA2	13-6	0500	20402	Fri	05770 00398 ... (Too weak to copy)	MFSK-16/20Bd	(AB)
XPA2	13-6	0510	19638	Fri	05770 00398 ... (Too weak to copy)	MFSK-16/20Bd	(AB)
XPA2	13-6	0520	19106	Fri	05770 00398 ... (Too weak to copy)	MFSK-16/20Bd	(AB)
XPA2	13-6	0530	18426	Fri	05770 00398 ... (Too weak to copy)	MFSK-16/20Bd	(AB)
XPA2	13-6	0540	17438	Fri	05770 00398 ... (Too weak to copy)	MFSK-16/20Bd	(AB)
XPA2	13-6	0550	16337	Fri	05770 00398 ... (Too weak to copy)	MFSK-16/20Bd	(AB)
XPA2	13-6	0700	20447	Fri	02995 00383 13586 ... 54256 45092 14124	MFSK-16/20Bd	(AB)
XPA2	13-6	0710	19281	Fri	02995 00383 13586 ... 54256 45092 14124	MFSK-16/20Bd	(AB)
XPA2	13-6	0720	18253	Fri	02995 00383 13586 ... 54256 45092 14124	MFSK-16/20Bd	(AB)
XPA2	13-6	0730	16284	Fri	02995 00383 13586 ... 54256 45092 14124	MFSK-16/20Bd	(AB)
XPA2	13-6	0740	15945	Fri	02995 00383 13586 ... 54256 45092 14124	MFSK-16/20Bd	(AB)
XPA2	13-6	0750	14913	Fri	02995 00383 13586 ... 54256 45092 14124	MFSK-16/20Bd	(AB)
XPA2	13-6	0800	20166	Fri	04639 00384 61587 ... 99177 22446 75660	MFSK-16/20Bd	(AB)
XPA2	13-6	0810	19656	Fri	04639 00384 61587 ... 99177 22446 75660	MFSK-16/20Bd	(AB)
XPA2	13-6	0820	18232	Fri	04639 00384 61587 ... 99177 22446 75660	MFSK-16/20Bd	(AB)
XPA2	13-6	0830	17422	Fri	04639 00384 61587 ... 99177 22446 75660	MFSK-16/20Bd	(AB)
XPA2	13-6	0840	16052	Fri	04639 00384 61587 ... 99177 22446 75660	MFSK-16/20Bd	(AB)
XPA2	13-6	0850	15862	Fri	04639 00384 61587 ... 99177 22446 75660	MFSK-16/20Bd	(AB)
XPA2	13-6	0900	20728	Fri	06782 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	13-6	0910	19581	Fri	06782 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	13-6	0920	18394	Fri	06782 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	13-6	0930	16343	Fri	06782 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	13-6	0940	15963	Fri	06782 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	13-6	0950	14661	Fri	06782 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	13-6	1100	15874	Fri	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(AB)
XPA2	13-6	1120	14474	Fri	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(AB)
XPA2	13-6	1140	13374	Fri	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(AB)
XPA2	13-6	1600	14947	Fri	06001 00350 13950 ... 91615 49676 34344	MFSK-16/20Bd	(AB)

XPA2	13-6	1610	14407	Fri	06001 00350 13950 ... 91615 49676 34344	MFSK-16/20Bd	(AB)
XPA2	13-6	1620	13937	Fri	06001 00350 13950 ... 91615 49676 34344	MFSK-16/20Bd	(AB)
XPA2	13-6	1630	13434	Fri	06001 00350 13950 ... 91615 49676 34344	MFSK-16/20Bd	(AB)
XPA2	13-6	1640	12104	Fri	06001 00350 13950 ... 91615 49676 34344	MFSK-16/20Bd	(AB)
XPA2	13-6	1650	11532	Fri	06001 00350 13950 ... 91615 49676 34344	MFSK-16/20Bd	(AB)
XPA2	13-6	1700	15951	Fri	01087 00372 56730 ... 04341 88569 04505	MFSK-16/20Bd	(AB)
XPA2	13-6	1710	14521	Fri	01087 00372 56730 ... 04341 88569 04505	MFSK-16/20Bd	(AB)
XPA2	13-6	1720	13567	Fri	01087 00372 56730 ... 04341 88569 04505	MFSK-16/20Bd	(AB)
XPA2	13-6	1730	12127	Fri	01087 00372 56730 ... 04341 88569 04505	MFSK-16/20Bd	(AB)
XPA2	13-6	1740	11147	Fri	01087 00372 56730 ... 04341 88569 04505	MFSK-16/20Bd	(AB)
XPA2	13-6	1750	10421	Fri	01087 00372 56730 ... 04341 88569 04505	MFSK-16/20Bd	(AB)
XPA2	13-6	1800	17474	Fri	08152 00098 93377 ... 92214 75725 50211	MFSK-16/20Bd	(AB)
XPA2	13-6	1820	16247	Fri	08152 00098 93377 ... 92214 75725 50211	MFSK-16/20Bd	(AB)
XPA2	13-6	1840	14574	Fri	08152 00098 93377 ... 92214 75725 50211	MFSK-16/20Bd	(AB)
XPA2	14-6	0500	20402	Sat	09727 00396 97606 ... 64904 58270 60430	MFSK-16/20Bd	(AB)
XPA2	14-6	0510	19638	Sat	09727 00396 97606 ... 64904 58270 60430	MFSK-16/20Bd	(AB)
XPA2	14-6	0520	19106	Sat	09727 00396 97606 ... 64904 58270 60430	MFSK-16/20Bd	(AB)
XPA2	14-6	0530	18426	Sat	09727 00396 97606 ... 64904 58270 60430	MFSK-16/20Bd	(AB)
XPA2	14-6	0540	17438	Sat	09727 00396 97606 ... 64904 58270 60430	MFSK-16/20Bd	(AB)
XPA2	14-6	0550	16337	Sat	09727 00396 97606 ... 64904 58270 60430	MFSK-16/20Bd	(AB)
XPA2	14-6	0600	19624	Sat	01424 00352 35128 ... 83770 73043 21752	MFSK-16/20Bd	(AB)
XPA2	14-6	0610	19241	Sat	01424 00352 35128 ... 83770 73043 21752	MFSK-16/20Bd	(AB)
XPA2	14-6	0620	18431	Sat	01424 00352 35128 ... 83770 73043 21752	MFSK-16/20Bd	(AB)
XPA2	14-6	0630	17444	Sat	01424 00352 35128 ... 83770 73043 21752	MFSK-16/20Bd	(AB)
XPA2	14-6	0640	16194	Sat	01424 00352 35128 ... 83770 73043 21752	MFSK-16/20Bd	(AB)
XPA2	14-6	0650	15813	Sat	01424 00352 35128 ... 83770 73043 21752	MFSK-16/20Bd	(AB)
XPA2	14-6	0700	20447	Sat	04101 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14-6	0710	19281	Sat	04101 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14-6	0720	18253	Sat	04101 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14-6	0730	16284	Sat	04101 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14-6	0740	15945	Sat	04101 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14-6	0750	14913	Sat	04101 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14-6	0800	20166	Sat	09994 00399 83135 ... 08555 67382 03346	MFSK-16/20Bd	(AB)
XPA2	14-6	0810	19656	Sat	09994 00399 83135 ... 08555 67382 03346	MFSK-16/20Bd	(AB)
XPA2	14-6	0820	18232	Sat	09994 00399 83135 ... 08555 67382 03346	MFSK-16/20Bd	(AB)
XPA2	14-6	0830	17422	Sat	09994 00399 83135 ... 08555 67382 03346	MFSK-16/20Bd	(AB)
XPA2	14-6	0840	16052	Sat	09994 00399 83135 ... 08555 67382 03346	MFSK-16/20Bd	(AB)
XPA2	14-6	0850	15862	Sat	09994 00399 83135 ... 08555 67382 03346	MFSK-16/20Bd	(AB)
XPA2	14-6	0900	18182	Sat	00870 00490 88587 ... 45836 40036 14177	MFSK-16/20Bd	(AB)
XPA2	14-6	0900	20728	Sat	04548 00351 75028 ... 64210 32564 17651	MFSK-16/20Bd	(AB)
XPA2	14-6	0910	19581	Sat	04548 00351 75028 ... 64210 32564 17651	MFSK-16/20Bd	(AB)
XPA2	14-6	0920	17428	Sat	00870 00490 88587 ... 45836 40036 14177	MFSK-16/20Bd	(AB)

XPA2	14-6	0920	18394	Sat	04548 00351 75028 ... 64210 32564 17651	MFSK-16/20Bd	(AB)
XPA2	14-6	0930	16343	Sat	04548 00351 75028 ... 64210 32564 17651	MFSK-16/20Bd	(AB)
XPA2	14-6	0940	15963	Sat	04548 00351 75028 ... 64210 32564 17651	MFSK-16/20Bd	(AB)
XPA2	14-6	0940	16321	Sat	00870 00490 88587 ... 45836 40036 14177	MFSK-16/20Bd	(AB)
XPA2	14-6	0950	14661	Sat	04548 00351 75028 ... 64210 32564 17651	MFSK-16/20Bd	(AB)
XPA2	14-6	1500	14892	Sat	04144 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	14-6	1520	13492	Sat	04144 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	14-6	1540	12192	Sat	04144 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	14-6	1600	14947	Sat	03305 00385 35213 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1610	14407	Sat	03305 00385 35213 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1620	13937	Sat	03305 00385 35213 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1630	13434	Sat	03305 00385 35213 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1640	12104	Sat	03305 00385 35213 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1650	11532	Sat	03305 00385 35213 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1700	15951	Sat	06316 00351 78844 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1710	14521	Sat	06316 00351 78844 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1720	13567	Sat	06316 00351 78844 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1730	12127	Sat	06316 00351 78844 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1740	11147	Sat	06316 00351 78844 ...	MFSK-16/20Bd	(AB)
XPA2	14-6	1750	10421	Sat	06316 00351 78844 ...	MFSK-16/20Bd	(AB)
XPA2	15-6	0600	19624	Sun	02650 00380 63880 ... 07788 49429 17047	MFSK-16/20Bd	(AB)
XPA2	15-6	0600	19624	Sun	03623 00372 30886 ... 05598 89145 34161	MFSK-16/20Bd	(AB)
XPA2	15-6	0610	19241	Sun	02650 00380 63880 ... 07788 49429 17047	MFSK-16/20Bd	(AB)
XPA2	15-6	0610	19241	Sun	03623 00372 30886 ... 05598 89145 34161	MFSK-16/20Bd	(AB)
XPA2	15-6	0620	18431	Sun	02650 00380 63880 ... 07788 49429 17047	MFSK-16/20Bd	(AB)
XPA2	15-6	0620	18431	Sun	03623 00372 30886 ... 05598 89145 34161	MFSK-16/20Bd	(AB)
XPA2	15-6	0630	17444	Sun	03623 00372 30886 ... 05598 89145 34161	MFSK-16/20Bd	(AB)
XPA2	15-6	0630	17444	Sun	02650 00380 63880 ... 07788 49429 17047	MFSK-16/20Bd	(AB)
XPA2	15-6	0640	16194	Sun	02650 00380 63880 ... 07788 49429 17047	MFSK-16/20Bd	(AB)
XPA2	15-6	0640	16194	Sun	03623 00372 30886 ... 05598 89145 34161	MFSK-16/20Bd	(AB)
XPA2	15-6	0650	15813	Sun	02650 00380 63880 ... 07788 49429 17047	MFSK-16/20Bd	(AB)
XPA2	15-6	0650	15813	Sun	03623 00372 30886 ... 05598 89145 34161	MFSK-16/20Bd	(AB)
XPA2	15-6	0700	20447	Sun	04277 00390 54312 ... 26469 57350 21325	MFSK-16/20Bd	(AB)
XPA2	15-6	0710	19281	Sun	04277 00390 54312 ... 26469 57350 21325	MFSK-16/20Bd	(AB)
XPA2	15-6	0720	18253	Sun	04277 00390 54312 ... 26469 57350 21325	MFSK-16/20Bd	(AB)
XPA2	15-6	0730	16284	Sun	04277 00390 54312 ... 26469 57350 21325	MFSK-16/20Bd	(AB)
XPA2	15-6	0740	15945	Sun	04277 00390 54312 ... 26469 57350 21325	MFSK-16/20Bd	(AB)
XPA2	15-6	0750	14913	Sun	04277 00390 54312 ... 26469 57350 21325	MFSK-16/20Bd	(AB)
XPA2	15-6	0800	20166	Sun	08400 00389 72069 ... 49145 42192 67135	MFSK-16/20Bd	(AB)
XPA2	15-6	0810	19656	Sun	08400 00389 72069 ... 49145 42192 67135	MFSK-16/20Bd	(AB)
XPA2	15-6	0820	18232	Sun	08400 00389 72069 ... 49145 42192 67135	MFSK-16/20Bd	(AB)
XPA2	15-6	0830	17422	Sun	08400 00389 72069 ... 49145 42192 67135	MFSK-16/20Bd	(AB)

XPA2	15-6	0840	16052	Sun	08400 00389 72069 ... 49145 42192 67135	MFSK-16/20Bd	(AB)
XPA2	15-6	0850	15862	Sun	08400 00389 72069 ... 49145 42192 67135	MFSK-16/20Bd	(AB)
XPA2	15-6	0900	20728	Sun	04135 00375 56449 ... 75870 55539 66605	MFSK-16/20Bd	(AB)
XPA2	15-6	0910	19581	Sun	04135 00375 56449 ... 75870 55539 66605	MFSK-16/20Bd	(AB)
XPA2	15-6	0920	18394	Sun	04135 00375 56449 ... 75870 55539 66605	MFSK-16/20Bd	(AB)
XPA2	15-6	0930	16343	Sun	04135 00375 56449 ... 75870 55539 66605	MFSK-16/20Bd	(AB)
XPA2	15-6	0940	15963	Sun	04135 00375 56449 ... 75870 55539 66605	MFSK-16/20Bd	(AB)
XPA2	15-6	0950	14661	Sun	04135 00375 56449 ... 75870 55539 66605	MFSK-16/20Bd	(AB)
XPA2	15-6	1600	14947	Sun	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15-6	1610	14407	Sun	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15-6	1620	13937	Sun	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15-6	1630	13434	Sun	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15-6	1640	12104	Sun	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15-6	1650	11532	Sun	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15-6	1700	15951	Sun	05921 00399 51833 ... 14674 73408 21344	MFSK-16/20Bd	(AB)
XPA2	15-6	1710	14521	Sun	05921 00399 51833 ... 14674 73408 21344	MFSK-16/20Bd	(AB)
XPA2	15-6	1720	13567	Sun	05921 00399 51833 ... 14674 73408 21344	MFSK-16/20Bd	(AB)
XPA2	15-6	1730	12127	Sun	05921 00399 51833 ... 14674 73408 21344	MFSK-16/20Bd	(AB)
XPA2	15-6	1740	11147	Sun	05921 00399 51833 ... 14674 73408 21344	MFSK-16/20Bd	(AB)
XPA2	15-6	1750	10421	Sun	05921 00399 51833 ... 14674 73408 21344	MFSK-16/20Bd	(AB)
XPA2	16-6	0400	20082	Mon	01401 00382 16892 ... 81868 56525 35126	MFSK-16/20Bd	(AB)
XPA2	16-6	0410	19451	Mon	01401 00382 16892 ... 81868 56525 35126	MFSK-16/20Bd	(AB)
XPA2	16-6	0420	18656	Mon	01401 00382 16892 ... 81868 56525 35126	MFSK-16/20Bd	(AB)
XPA2	16-6	0430	18038	Mon	01401 00382 16892 ... 81868 56525 35126	MFSK-16/20Bd	(AB)
XPA2	16-6	0440	17411	Mon	01401 00382 16892 ... 81868 56525 35126	MFSK-16/20Bd	(AB)
XPA2	16-6	0450	16268	Mon	01401 00382 16892 ... 81868 56525 35126	MFSK-16/20Bd	(AB)
XPA2	16-6	0500	20402	Mon	09076 00353 86965 ... 82332 11099 05372	MFSK-16/20Bd	(AB)
XPA2	16-6	0510	19638	Mon	09076 00353 86965 ... 82332 11099 05372	MFSK-16/20Bd	(AB)
XPA2	16-6	0520	19106	Mon	09076 00353 86965 ... 82332 11099 05372	MFSK-16/20Bd	(AB)
XPA2	16-6	0530	18426	Mon	09076 00353 86965 ... 82332 11099 05372	MFSK-16/20Bd	(AB)
XPA2	16-6	0540	17438	Mon	09076 00353 86965 ... 82332 11099 05372	MFSK-16/20Bd	(AB)
XPA2	16-6	0550	16337	Mon	09076 00353 86965 ... 82332 11099 05372	MFSK-16/20Bd	(AB)
XPA2	16-6	0700	12148	Mon	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	16-6	0700	20447	Mon	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-6	0710	19281	Mon	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-6	0720	13448	Mon	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	16-6	0720	18253	Mon	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-6	0730	16284	Mon	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-6	0740	13948	Mon	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	16-6	0740	15945	Mon	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-6	0750	14913	Mon	01007 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-6	0800	20166	Mon	05903 00399 28007 ... 98235 56167 57457	MFSK-16/20Bd	(AB)

XPA2	16-6	0810	19656	Mon	05903 00399 28007 ... 98235 56167 57457	MFSK-16/20Bd	(AB)
XPA2	16-6	0820	18232	Mon	05903 00399 28007 ... 98235 56167 57457	MFSK-16/20Bd	(AB)
XPA2	16-6	0830	17422	Mon	05903 00399 28007 ... 98235 56167 57457	MFSK-16/20Bd	(AB)
XPA2	16-6	0840	16052	Mon	05903 00399 28007 ... 98235 56167 57457	MFSK-16/20Bd	(AB)
XPA2	16-6	0850	15862	Mon	05903 00399 28007 ... 98235 56167 57457	MFSK-16/20Bd	(AB)
XPA2	16-6	0900	20728	Mon	09083 00375 73657 ... 50411 39431 33013	MFSK-16/20Bd	(AB)
XPA2	16-6	0910	19489	Mon	09938 00089 86244 ... 57984 14570 64665	MFSK-16/20Bd	(AB)
XPA2	16-6	0910	19581	Mon	09083 00375 73657 ... 50411 39431 33013	MFSK-16/20Bd	(AB)
XPA2	16-6	0920	18394	Mon	09083 00375 73657 ... 50411 39431 33013	MFSK-16/20Bd	(AB)
XPA2	16-6	0930	16343	Mon	09083 00375 73657 ... 50411 39431 33013	MFSK-16/20Bd	(AB)
XPA2	16-6	0930	18038	Mon	09938 00089 86244 ... 57984 14570 64665	MFSK-16/20Bd	(AB)
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XPA2	16-6	0950	17453	Mon	09938 00089 86244 ... 57984 14570 64665	MFSK-16/20Bd	(AB)
XPA2	16-6	1500	14892	Mon	00747 00190 46347 ... 23858 12971 56655	MFSK-16/20Bd	(AB)
XPA2	16-6	1520	13492	Mon	00747 00190 46347 ... 23858 12971 56655	MFSK-16/20Bd	(AB)
XPA2	16-6	1540	12192	Mon	00747 00190 46347 ... 23858 12971 56655	MFSK-16/20Bd	(AB)
XPA2	16-6	1600	14947	Mon	05116 00372 14383 ... 99580 39915 76406	MFSK-16/20Bd	(AB)
XPA2	16-6	1610	14407	Mon	05116 00372 14383 ... 99580 39915 76406	MFSK-16/20Bd	(AB)
XPA2	16-6	1620	13937	Mon	05116 00372 14383 ... 99580 39915 76406	MFSK-16/20Bd	(AB)
XPA2	16-6	1630	13434	Mon	05116 00372 14383 ... 99580 39915 76406	MFSK-16/20Bd	(AB)
XPA2	16-6	1640	12104	Mon	05116 00372 14383 ... 99580 39915 76406	MFSK-16/20Bd	(AB)
XPA2	16-6	1650	11532	Mon	05116 00372 14383 ... 99580 39915 76406	MFSK-16/20Bd	(AB)
XPA2	16-6	1700	15951	Mon	04081 00389 03649 ... 39046 89373 13507	MFSK-16/20Bd	(AB)
XPA2	16-6	1710	14521	Mon	04081 00389 03649 ... 39046 89373 13507	MFSK-16/20Bd	(AB)
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XPA2	16-6	1730	12127	Mon	04081 00389 03649 ... 39046 89373 13507	MFSK-16/20Bd	(AB)
XPA2	16-6	1740	11147	Mon	04081 00389 03649 ... 39046 89373 13507	MFSK-16/20Bd	(AB)
XPA2	16-6	1750	10421	Mon	04081 00389 03649 ... 39046 89373 13507	MFSK-16/20Bd	(AB)
XPA2	17-6	0400	20082	Tue	03874 00284 38807 ...	MFSK-16/20Bd	(AB)
XPA2	17-6	0410	19451	Tue	03874 00284 38807 ...	MFSK-16/20Bd	(AB)
XPA2	17-6	0420	18656	Tue	03874 00284 38807 ...	MFSK-16/20Bd	(AB)
XPA2	17-6	0430	18038	Tue	03874 00284 38807 ...	MFSK-16/20Bd	(AB)
XPA2	17-6	0440	17411	Tue	03874 00284 38807 ...	MFSK-16/20Bd	(AB)
XPA2	17-6	0450	16268	Tue	03874 00284 38807 ...	MFSK-16/20Bd	(AB)
XPA2	17-6	0500	20402	Tue	07347 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17-6	0510	19638	Tue	07347 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17-6	0520	19106	Tue	07347 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17-6	0530	18426	Tue	07347 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17-6	0540	17438	Tue	07347 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17-6	0550	16337	Tue	07347 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17-6	0600	19624	Tue	08955 00394 63400 ... 63036 28258 36030	MFSK-16/20Bd	(AB)

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XPA2	17-6	0620	18431	Tue	08955 00394 63400 ... 63036 28258 36030	MFSK-16/20Bd	(AB)
XPA2	17-6	0630	17444	Tue	08955 00394 63400 ... 63036 28258 36030	MFSK-16/20Bd	(AB)
XPA2	17-6	0640	16194	Tue	08955 00394 63400 ... 63036 28258 36030	MFSK-16/20Bd	(AB)
XPA2	17-6	0650	15813	Tue	08955 00394 63400 ... 63036 28258 36030	MFSK-16/20Bd	(AB)
XPA2	17-6	0700	20447	Tue	07077 00365 65166 ... 80575 35589 01153	MFSK-16/20Bd	(AB)
XPA2	17-6	0710	19281	Tue	07077 00365 65166 ... 80575 35589 01153	MFSK-16/20Bd	(AB)
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XPA2	17-6	0740	15945	Tue	07077 00365 65166 ... 80575 35589 01153	MFSK-16/20Bd	(AB)
XPA2	17-6	0750	14913	Tue	07077 00365 65166 ... 80575 35589 01153	MFSK-16/20Bd	(AB)
XPA2	17-6	0800	20166	Tue	06888 00355 24815 ... 94356 94118 04245	MFSK-16/20Bd	(AB)
XPA2	17-6	0810	19656	Tue	06888 00355 24815 ... 94356 94118 04245	MFSK-16/20Bd	(AB)
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XPA2	17-6	1100	15874	Tue	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(AB)
XPA2	17-6	1120	14474	Tue	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(AB)
XPA2	17-6	1140	13374	Tue	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(AB)
XPA2	17-6	1600	14947	Tue	03841 00356 28121 ... 37726 19280 36066	MFSK-16/20Bd	(AB)
XPA2	17-6	1610	14407	Tue	03841 00356 28121 ... 37726 19280 36066	MFSK-16/20Bd	(AB)
XPA2	17-6	1620	13937	Tue	03841 00356 28121 ... 37726 19280 36066	MFSK-16/20Bd	(AB)
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XPA2	17-6	1650	11532	Tue	03841 00356 28121 ... 37726 19280 36066	MFSK-16/20Bd	(AB)
XPA2	17-6	1700	15951	Tue	05303 00355 69451 ... 93364 90429 12201	MFSK-16/20Bd	(AB)
XPA2	17-6	1700	18691	Tue	00731 00195 34271 ... 40814 47132 74505	MFSK-16/20Bd	(AB)
XPA2	17-6	1710	14521	Tue	05303 00355 69451 ... 93364 90429 12201	MFSK-16/20Bd	(AB)
XPA2	17-6	1720	13567	Tue	05303 00355 69451 ... 93364 90429 12201	MFSK-16/20Bd	(AB)
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XPA2	18-6	0400	20082	Wed	02574 00358 38795 ... 06309 28335 73610	MFSK-16/20Bd	(AB)

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XPA2	18-6	0420	18656	Wed	02574 00358 38795 ... 06309 28335 73610	MFSK-16/20Bd	(AB)
XPA2	18-6	0430	18038	Wed	02574 00358 38795 ... 06309 28335 73610	MFSK-16/20Bd	(AB)
XPA2	18-6	0440	17411	Wed	02574 00358 38795 ... 06309 28335 73610	MFSK-16/20Bd	(AB)
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XPA2	18-6	0500	20402	Wed	09738 00370 76598 ... 19769 73812 64205	MFSK-16/20Bd	(AB)
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XPA2	18-6	0530	18426	Wed	09738 00370 76598 ... 19769 73812 64205	MFSK-16/20Bd	(AB)
XPA2	18-6	0540	17438	Wed	09738 00370 76598 ... 19769 73812 64205	MFSK-16/20Bd	(AB)
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XPA2	18-6	0610	19241	Wed	08409 00363 67604 ... 43799 06707 00142	MFSK-16/20Bd	(AB)
XPA2	18-6	0620	18431	Wed	08409 00363 67604 ... 43799 06707 00142	MFSK-16/20Bd	(AB)
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XPA2	18-6	0650	15813	Wed	08409 00363 67604 ... 43799 06707 00142	MFSK-16/20Bd	(AB)
XPA2	18-6	0700	12148	Wed	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	18-6	0700	20447	Wed	02126 00386 39415 ... 04885 75334 41073	MFSK-16/20Bd	(AB)
XPA2	18-6	0710	19281	Wed	02126 00386 39415 ... 04885 75334 41073	MFSK-16/20Bd	(AB)
XPA2	18-6	0720	13448	Wed	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	18-6	0720	18253	Wed	02126 00386 39415 ... 04885 75334 41073	MFSK-16/20Bd	(AB)
XPA2	18-6	0730	16284	Wed	02126 00386 39415 ... 04885 75334 41073	MFSK-16/20Bd	(AB)
XPA2	18-6	0740	13948	Wed	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	18-6	0740	15945	Wed	02126 00386 39415 ... 04885 75334 41073	MFSK-16/20Bd	(AB)
XPA2	18-6	0750	14913	Wed	02126 00386 39415 ... 04885 75334 41073	MFSK-16/20Bd	(AB)
XPA2	18-6	0800	20166	Wed	06629 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18-6	0810	19656	Wed	06629 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18-6	0820	18232	Wed	06629 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18-6	0830	17422	Wed	06629 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18-6	0840	16052	Wed	06629 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18-6	0850	15862	Wed	06629 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18-6	0900	20728	Wed	04634 00352 67348 ... 42234 19496 74235	MFSK-16/20Bd	(AB)
XPA2	18-6	0910	19581	Wed	04634 00352 67348 ... 42234 19496 74235	MFSK-16/20Bd	(AB)
XPA2	18-6	0920	18394	Wed	04634 00352 67348 ... 42234 19496 74235	MFSK-16/20Bd	(AB)
XPA2	18-6	0930	16343	Wed	04634 00352 67348 ... 42234 19496 74235	MFSK-16/20Bd	(AB)
XPA2	18-6	0940	15963	Wed	04634 00352 67348 ... 42234 19496 74235	MFSK-16/20Bd	(AB)
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XPA2	18-6	1120	14982	Wed	07867 00001 00000 40665	MFSK-16/20Bd	(AB)
XPA2	18-6	1140	13882	Wed	07867 00001 00000 40665	MFSK-16/20Bd	(AB)
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XPA2	18-6	1630	13434	Wed	04228 00390 43815 ... 18270 61732 77357	MFSK-16/20Bd	(AB)
XPA2	18-6	1640	12104	Wed	04228 00390 43815 ... 18270 61732 77357	MFSK-16/20Bd	(AB)
XPA2	18-6	1650	11532	Wed	04228 00390 43815 ... 18270 61732 77357	MFSK-16/20Bd	(AB)
XPA2	18-6	1700	15951	Wed	07922 00388 10694 ... 11864 37694 40706	MFSK-16/20Bd	(AB)
XPA2	18-6	1710	14521	Wed	07922 00388 10694 ... 11864 37694 40706	MFSK-16/20Bd	(AB)
XPA2	18-6	1720	13567	Wed	07922 00388 10694 ... 11864 37694 40706	MFSK-16/20Bd	(AB)
XPA2	18-6	1730	12127	Wed	07922 00388 10694 ... 11864 37694 40706	MFSK-16/20Bd	(AB)
XPA2	18-6	1740	11147	Wed	07922 00388 10694 ... 11864 37694 40706	MFSK-16/20Bd	(AB)
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XPA2	18-6	1800	17474	Wed	00817 00303 47663 ... 88333 41294 41074	MFSK-16/20Bd	(AB)
XPA2	18-6	1820	16247	Wed	00817 00303 47663 ... 88333 41294 41074	MFSK-16/20Bd	(AB)
XPA2	18-6	1840	14574	Wed	00817 00303 47663 ... 88333 41294 41074	MFSK-16/20Bd	(AB)
XPA2	19-6	0400	20082	Thu	03282 00352 41819 ... 16793 78728 12024	MFSK-16/20Bd	(AB)
XPA2	19-6	0410	19451	Thu	03282 00352 41819 ... 16793 78728 12024	MFSK-16/20Bd	(AB)
XPA2	19-6	0420	18656	Thu	03282 00352 41819 ... 16793 78728 12024	MFSK-16/20Bd	(AB)
XPA2	19-6	0430	18038	Thu	03282 00352 41819 ... 16793 78728 12024	MFSK-16/20Bd	(AB)
XPA2	19-6	0440	17411	Thu	03282 00352 41819 ... 16793 78728 12024	MFSK-16/20Bd	(AB)
XPA2	19-6	0450	16268	Thu	03282 00352 41819 ... 16793 78728 12024	MFSK-16/20Bd	(AB)
XPA2	19-6	0500	20402	Thu	03652 00386 47637 ... 47468 11850 31217	MFSK-16/20Bd	(AB)
XPA2	19-6	0510	19638	Thu	03652 00386 47637 ... 47468 11850 31217	MFSK-16/20Bd	(AB)
XPA2	19-6	0520	19106	Thu	03652 00386 47637 ... 47468 11850 31217	MFSK-16/20Bd	(AB)
XPA2	19-6	0530	18426	Thu	03652 00386 47637 ... 47468 11850 31217	MFSK-16/20Bd	(AB)
XPA2	19-6	0540	17438	Thu	03652 00386 47637 ... 47468 11850 31217	MFSK-16/20Bd	(AB)
XPA2	19-6	0550	16337	Thu	03652 00386 47637 ... 47468 11850 31217	MFSK-16/20Bd	(AB)
XPA2	19-6	0600	19624	Thu	04704 00392 65972 ... 65917 32297 14351	MFSK-16/20Bd	(AB)
XPA2	19-6	0610	19241	Thu	04704 00392 65972 ... 65917 32297 14351	MFSK-16/20Bd	(AB)
XPA2	19-6	0620	18431	Thu	04704 00392 65972 ... 65917 32297 14351	MFSK-16/20Bd	(AB)
XPA2	19-6	0630	17444	Thu	04704 00392 65972 ... 65917 32297 14351	MFSK-16/20Bd	(AB)
XPA2	19-6	0640	16194	Thu	04704 00392 65972 ... 65917 32297 14351	MFSK-16/20Bd	(AB)
XPA2	19-6	0650	15813	Thu	04704 00392 65972 ... 65917 32297 14351	MFSK-16/20Bd	(AB)
XPA2	19-6	0700	20447	Thu	03100 00393 89249 ... 00434 93311 63071	MFSK-16/20Bd	(AB)
XPA2	19-6	0710	19281	Thu	03100 00393 89249 ... 00434 93311 63071	MFSK-16/20Bd	(AB)
XPA2	19-6	0720	18253	Thu	03100 00393 89249 ... 00434 93311 63071	MFSK-16/20Bd	(AB)
XPA2	19-6	0730	16284	Thu	03100 00393 89249 ... 00434 93311 63071	MFSK-16/20Bd	(AB)
XPA2	19-6	0740	15945	Thu	03100 00393 89249 ... 00434 93311 63071	MFSK-16/20Bd	(AB)
XPA2	19-6	0750	14913	Thu	03100 00393 89249 ... 00434 93311 63071	MFSK-16/20Bd	(AB)
XPA2	19-6	0800	20166	Thu	01383 00384 83762 ... 97095 43799 43316	MFSK-16/20Bd	(AB)
XPA2	19-6	0810	19656	Thu	01383 00384 83762 ... 97095 43799 43316	MFSK-16/20Bd	(AB)
XPA2	19-6	0820	18232	Thu	01383 00384 83762 ... 97095 43799 43316	MFSK-16/20Bd	(AB)
XPA2	19-6	0830	17422	Thu	01383 00384 83762 ... 97095 43799 43316	MFSK-16/20Bd	(AB)

XPA2	19-6	0840	16052	Thu	01383 00384 83762 ... 97095 43799 43316	MFSK-16/20Bd	(AB)
XPA2	19-6	0850	15862	Thu	01383 00384 83762 ... 97095 43799 43316	MFSK-16/20Bd	(AB)
XPA2	19-6	0900	18182	Thu	00806 00190 28372 ... 30801 08033 60260	MFSK-16/20Bd	(AB)
XPA2	19-6	0900	20728	Thu	06974 00365 42504 ... 83023 70338 05154	MFSK-16/20Bd	(AB)
XPA2	19-6	0910	19581	Thu	06974 00365 42504 ... 83023 70338 05154	MFSK-16/20Bd	(AB)
XPA2	19-6	0920	17428	Thu	00806 00190 28372 ... 30801 08033 60260	MFSK-16/20Bd	(AB)
XPA2	19-6	0920	18394	Thu	06974 00365 42504 ... 83023 70338 05154	MFSK-16/20Bd	(AB)
XPA2	19-6	0930	16343	Thu	06974 00365 42504 ... 83023 70338 05154	MFSK-16/20Bd	(AB)
XPA2	19-6	0940	15963	Thu	06974 00365 42504 ... 83023 70338 05154	MFSK-16/20Bd	(AB)
XPA2	19-6	0940	16321	Thu	00806 00190 28372 ... 30801 08033 60260	MFSK-16/20Bd	(AB)
XPA2	19-6	0950	14661	Thu	06974 00365 42504 ... 83023 70338 05154	MFSK-16/20Bd	(AB)
XPA2	19-6	1100	15982	Thu	05721 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	19-6	1120	14982	Thu	05721 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	19-6	1140	13882	Thu	05721 00001 00000 35257	MFSK-16/20Bd	(AB)
XPA2	19-6	1600	14947	Thu	06440 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19-6	1610	14407	Thu	06440 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19-6	1620	13937	Thu	06440 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19-6	1630	13434	Thu	06440 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19-6	1640	12104	Thu	06440 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19-6	1650	11532	Thu	06440 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19-6	1700	15951	Thu	04399 00367 17793 ... 59787 28929 61453	MFSK-16/20Bd	(AB)
XPA2	19-6	1700	18691	Thu	00731 00195 34271 ... 40814 47132 74505	MFSK-16/20Bd	(AB)
XPA2	19-6	1710	14521	Thu	04399 00367 17793 ... 59787 28929 61453	MFSK-16/20Bd	(AB)
XPA2	19-6	1720	13567	Thu	04399 00367 17793 ... 59787 28929 61453	MFSK-16/20Bd	(AB)
XPA2	19-6	1720	17452	Thu	00731 00195 34271 ... 40814 47132 74505	MFSK-16/20Bd	(AB)
XPA2	19-6	1730	12127	Thu	04399 00367 17793 ... 59787 28929 61453	MFSK-16/20Bd	(AB)
XPA2	19-6	1740	11147	Thu	04399 00367 17793 ... 59787 28929 61453	MFSK-16/20Bd	(AB)
XPA2	19-6	1740	16267	Thu	00731 00195 34271 ... 40814 47132 74505	MFSK-16/20Bd	(AB)
XPA2	19-6	1750	10421	Thu	04399 00367 17793 ... 59787 28929 61453	MFSK-16/20Bd	(AB)
XPA2	20-6	1100	15874	Fri	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(AB)
XPA2	20-6	1120	14474	Fri	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(AB)
XPA2	20-6	1140	13374	Fri	08749 00183 33260 ... 38795 22481 63462	MFSK-16/20Bd	(AB)
XPA2	20-6	1800	17474	Fri	00817 00303 47663 ... 88333 41294 41074	MFSK-16/20Bd	(AB)
XPA2	20-6	1820	16247	Fri	00817 00303 47663 ... 88333 41294 41074	MFSK-16/20Bd	(AB)
XPA2	20-6	1840	14574	Fri	00817 00303 47663 ... 88333 41294 41074	MFSK-16/20Bd	(AB)
XPA2	21-6	0900	18182	Sat	00806 00190 28372 ... 30801 08033 60260	MFSK-16/20Bd	(AB)
XPA2	21-6	0920	17428	Sat	00806 00190 28372 ... 30801 08033 60260	MFSK-16/20Bd	(AB)
XPA2	21-6	0940	16321	Sat	00806 00190 28372 ... 30801 08033 60260	MFSK-16/20Bd	(AB)
XPA2	21-6	1500	14892	Sat	00747 00190 46347 ... 23858 12971 56655	MFSK-16/20Bd	(AB)
XPA2	21-6	1520	13492	Sat	00747 00190 46347 ... 23858 12971 56655	MFSK-16/20Bd	(AB)
XPA2	21-6	1540	12192	Sat	00747 00190 46347 ... 23858 12971 56655	MFSK-16/20Bd	(AB)
XPA2	23-6	0700	12148	Mon	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)

XPA2	23-6	0720	13448	Mon	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	23-6	0740	13948	Mon	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	23-6	0910	19489	Mon	06730 00133 29335 ... 85356 55378 75207	MFSK-16/20Bd	(AB)
XPA2	23-6	0930	18038	Mon	06730 00133 29335 ... 85356 55378 75207	MFSK-16/20Bd	(AB)
XPA2	23-6	0950	17453	Mon	06730 00133 29335 ... 85356 55378 75207	MFSK-16/20Bd	(AB)
XPA2	23-6	1500	14892	Mon	08684 00001 00000 36270	MFSK-16/20Bd	(AB)
XPA2	23-6	1520	13492	Mon	08684 00001 00000 36270	MFSK-16/20Bd	(AB)
XPA2	23-6	1540	12192	Mon	08684 00001 00000 36270	MFSK-16/20Bd	(AB)
XPA2	24-6	1100	15874	Tue	05059 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	24-6	1120	14474	Tue	05059 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	24-6	1140	13374	Tue	05059 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	24-6	1700	18691	Tue	05681 00001 00000 34665	MFSK-16/20Bd	(AB)
XPA2	24-6	1720	17452	Tue	05681 00001 00000 34665	MFSK-16/20Bd	(AB)
XPA2	24-6	1740	16267	Tue	05681 00001 00000 34665	MFSK-16/20Bd	(AB)
XPA2	25-6	0700	12148	Wed	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	25-6	0720	13448	Wed	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	25-6	0740	13948	Wed	00812 00308 50948 ... 19707 27848 45516	MFSK-16/20Bd	(AB)
XPA2	25-6	0910	19489	Wed	06730 00133 29335 ... 85356 55378 75207	MFSK-16/20Bd	(AB)
XPA2	25-6	0930	18038	Wed	06730 00133 29335 ... 85356 55378 75207	MFSK-16/20Bd	(AB)
XPA2	25-6	0950	17453	Wed	06730 00133 29335 ... 85356 55378 75207	MFSK-16/20Bd	(AB)
XPA2	25-6	1100	15982	Wed	04449 00078 69892 ... 94004 04056 35050	MFSK-16/20Bd	(AB)
XPA2	25-6	1120	14982	Wed	04449 00078 69892 ... 94004 04056 35050	MFSK-16/20Bd	(AB)
XPA2	25-6	1140	13882	Wed	04449 00078 69892 ... 94004 04056 35050	MFSK-16/20Bd	(AB)
XPA2	25-6	1800	17474	Wed	00338 00342 06880 ... 10140 36278 35130	MFSK-16/20Bd	(AB)
XPA2	25-6	1820	16247	Wed	00338 00342 06880 ... 10140 36278 35130	MFSK-16/20Bd	(AB)
XPA2	25-6	1840	14574	Wed	00338 00342 06880 ... 10140 36278 35130	MFSK-16/20Bd	(AB)
XPA2	26-6	0900	18182	Thu	02861 00140 91854 ... 62340 22411 40667	MFSK-16/20Bd	(AB)
XPA2	26-6	0920	17428	Thu	02861 00140 91854 ... 62340 22411 40667	MFSK-16/20Bd	(AB)
XPA2	26-6	0940	16321	Thu	02861 00140 91854 ... 62340 22411 40667	MFSK-16/20Bd	(AB)
XPA2	26-6	1100	15982	Thu	04449 00078 69892 ... 94004 04056 35050	MFSK-16/20Bd	(AB)
XPA2	26-6	1120	14982	Thu	04449 00078 69892 ... 94004 04056 35050	MFSK-16/20Bd	(AB)
XPA2	26-6	1140	13882	Thu	04449 00078 69892 ... 94004 04056 35050	MFSK-16/20Bd	(AB)
XPA2	26-6	1700	18691	Thu	06967 00001 00000 41264	MFSK-16/20Bd	(AB)
XPA2	26-6	1720	17452	Thu	06967 00001 00000 41264	MFSK-16/20Bd	(AB)
XPA2	26-6	1740	16267	Thu	06967 00001 00000 41264	MFSK-16/20Bd	(AB)
XPA2	27-6	1100	15874	Fri	08606 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	27-6	1120	14474	Fri	08606 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	27-6	1140	13374	Fri	08606 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	27-6	1800	17474	Fri	00338 00342 06880 ... 10140 36278 35130	MFSK-16/20Bd	(AB)
XPA2	27-6	1820	16247	Fri	00338 00342 06880 ... 10140 36278 35130	MFSK-16/20Bd	(AB)
XPA2	27-6	1840	14574	Fri	00338 00342 06880 ... 10140 36278 35130	MFSK-16/20Bd	(AB)
XPA2	28-6	0900	18182	Sat	02861 00140 91854 ... 62340 22411 40667	MFSK-16/20Bd	(AB)

XPA2	28-6	0920	17428	Sat	02861 00140 91854 ... 62340 22411 40667	MFSK-16/20Bd	(AB)
XPA2	28-6	0940	16321	Sat	02861 00140 91854 ... 62340 22411 40667	MFSK-16/20Bd	(AB)
XPA2	28-6	1500	14892	Sat	08366 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	28-6	1520	13492	Sat	08366 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	28-6	1540	12192	Sat	08366 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	30-6	0700	12148	Mon	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB)
XPA2	30-6	0720	13448	Mon	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB)
XPA2	30-6	0740	13948	Mon	01512 00630 72188 ... 56746 16003 70111	MFSK-16/20Bd	(AB)
XPA2	30-6	0910	19489	Mon	05983 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	30-6	0930	18038	Mon	05983 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	30-6	0950	17453	Mon	05983 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	30-6	1500	14892	Mon	09870 00164 56981 ... 94954 58032 54631	MFSK-16/20Bd	(AB)
XPA2	30-6	1520	13492	Mon	09870 00164 56981 ... 94954 58032 54631	MFSK-16/20Bd	(AB)
XPA2	30-6	1540	12192	Mon	09870 00164 56981 ... 94954 58032 54631	MFSK-16/20Bd	(AB)
XPB1	3-6	0500	19357	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-6	0510	18357	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-6	0520	17457	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-6	0530	15957	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-6	0540	14457	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-6	0550	13457	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-6	1300	20047	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-6	1310	19247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-6	1320	18247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-6	1330	17447	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-6	1340	16247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-6	1350	14947	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-6	1100	13876	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	4-6	1110	13376	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	4-6	1120	12176	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	4-6	1130	11576	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	4-6	1140	10676	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	4-6	1150	10276	Wed	Russian intel.	MFSK-16	(HFD)
XPB1	6-6	1300	20047	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-6	1310	19247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-6	1320	18247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-6	1330	17447	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-6	1340	16247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-6	1350	14947	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-6	0730	17418	Sun	Russian intel.	MFSK-16	(Hutch)
XPB1	8-6	0740	15937	Sun	Russian intel.	MFSK-16	(Hutch)
XPB1	8-6	0750	14487	Sun	Russian intel.	MFSK-16	(Hutch)
XPB1	8-6	1300	13437	Sun	Russian intel.	MFSK-16	(AB)

XPB1	8-6	1310	12181	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1320	11572	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1330	11157	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1340	10449	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1350	10288	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1500	15831	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1510	14807	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1520	13963	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1530	13399	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1540	12117	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1550	11467	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1700	15891	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1710	14671	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1720	13921	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1730	13399	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1740	12168	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1750	11416	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1900	16302	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1910	15804	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1920	14529	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1930	13485	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1940	12109	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	1950	11514	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	2100	14904	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	2110	14421	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	2120	13484	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	2130	12214	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	2140	11514	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8-6	2150	10414	Sun	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1300	13457	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1310	12181	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1320	11572	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1330	11157	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1340	10449	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1350	10288	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1700	15891	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1710	14671	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1720	13921	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1730	13399	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1740	12168	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1750	11416	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1900	16302	Mon	Russian intel.	MFSK-16	(AB)

XPB1	9-6	1910	15804	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1920	14529	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1930	13485	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1940	12109	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	1950	11514	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-6	2100	14904	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	9-6	2110	14421	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	9-6	2120	13484	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	9-6	2130	12214	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	9-6	2140	11514	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	9-6	2150	10414	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-6	1300	20047	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-6	1310	19247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-6	1320	18247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-6	1330	17447	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-6	1340	16247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-6	1350	14947	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-6	1100	13876	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-6	1110	13376	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-6	1120	12176	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-6	1130	11576	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-6	1140	10676	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-6	1150	10276	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13-6	1300	20047	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-6	1310	19247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-6	1320	18247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-6	1330	17447	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-6	1340	16247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-6	1350	14947	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-6	1100	13876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-6	1110	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-6	1120	12176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-6	1130	11576	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-6	1140	10676	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-6	1150	10276	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16-6	0500	19357	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-6	0510	18357	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-6	0520	17457	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-6	0530	15957	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-6	0540	14457	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-6	0550	13457	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	17-6	0500	19357	Tue	Russian intel.	MFSK-16	(AB)

XPB1	17-6	0510	18357	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	0520	17457	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	0530	15957	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	0540	14457	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	0550	13457	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	1300	20047	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	1310	19247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	1320	18247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	1330	17447	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	1340	16247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-6	1350	14947	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-6	1100	13876	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-6	1110	13376	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-6	1120	12176	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-6	1130	11576	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-6	1140	10676	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-6	1150	10276	Wed	Russian intel.	MFSK-16	(AB)
XPB1	20-6	1300	20047	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-6	1310	19247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-6	1320	18247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-6	1330	17447	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-6	1340	16247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-6	1350	14947	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-6	1100	13876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-6	1110	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-6	1120	12176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-6	1130	11576	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-6	1140	10676	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-6	1150	10276	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-6	0500	19357	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-6	0510	18357	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-6	0520	17457	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-6	0530	15957	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-6	0540	14457	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-6	0550	13457	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-6	0500	19357	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	0510	18357	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	0520	17457	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	0530	15957	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	0540	14457	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	0550	13457	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	1300	20047	Tue	Russian intel.	MFSK-16	(AB)

XPB1	24-6	1310	19247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	1320	18247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	1330	17447	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	1340	16247	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-6	1350	14947	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-6	1100	13876	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-6	1110	13376	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-6	1120	12176	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-6	1130	11576	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-6	1140	10676	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-6	1150	10276	Wed	Russian intel.	MFSK-16	(AB)
XPB1	27-6	1300	20047	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-6	1310	19247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-6	1320	18247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-6	1330	17447	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-6	1340	16247	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-6	1350	14947	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-6	1100	13876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-6	1110	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-6	1120	12176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-6	1130	11576	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-6	1140	10676	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-6	1150	10276	Sat	Russian intel.	MFSK-16	(AB)
XPB1	30-6	0500	19357	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-6	0510	18357	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-6	0520	17457	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-6	0530	15957	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-6	0540	14457	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-6	0550	13457	Mon	Russian intel.	MFSK-16	(AB)

APPENDIX

List of active stations

Prefixes

E	English language	Q	4+4 QPSK mode
F	FSK (Frequency Shift Keying) modes	S	Slavic languages
G	German language	SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
HM	Hybrid modes	UM(C)	Unid Morse station (Chinese)
M(C)	Morse code (Chinese)	V	Voice broadcasts in other languages
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes	VC	Voice Chinese
		XP	MFSK (polytone) modes

Notes :

There is no solid proof that the mentioned operators are correct.

Russian G06, V06 and other variants are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army
M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			

M89	Markers like V YHXD YHXD YHXD DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military
M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 ... ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units)	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese military
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active sinds at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-20/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-16/20Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- - . . - -
C	- . - .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	 -	Question mark	[?]	. . - - . .
E	.	5		Exclamation mark	[!]	- . - . - -
F	. . - .	6	-	Apostrophe	[']	. - - - . .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H		8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - . -
K	- . -			Quotation marks	[" "]	. - . . - .
L	. - . .			Equals sign	[BT =]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .			Plus sign	[+]	. - . - .
O	- - -			Invitation to transmit		- . -
P	. - . .			Wait	[AS]	. - . . .
Q	- - . -			End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ü	. . - -	End of message	[AR]	. - . - .
S	. . .			Starting signal		- . . - .
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - .
W	. - -			Ampersand	[&]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

For Cyrillic morse etc., see also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

3rd shift Cyrillic RTTY as used by M42b

Q	W	E	R	T	Y	U	I	O	P	(	K	V	Z
1	2	3	4	5	6	7	8	9	0	K	=	-	+

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	- . . - .
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	It'nien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	nul	Null	Zero
1	. — — — —	Một	Van	adinka	Eins	One
2	. . — — —	Hai	To	dvoyka	Twso	Two
3	. . . — —	Ba	Fwee	troyka	Drei	Three
4	 —	Bô'n	Fo	chetvyorka	Vier	Four
5		Năm	Fav	petyorka	Funuf	Fiver
6	—	Sáu	Six	shest	Sechs	Six
7	— — . . .	Ba y	Seven	syem	Sieben	Seven
8	— — — . .	Tám	Eight	vosyem	Acht	Eight
9	— — — — .	Chín	Nine	dyevyet	Neugen	Niner
=	—					
/	—					

Note: E17z, M03 and M08a are defunct.

COLOPHON

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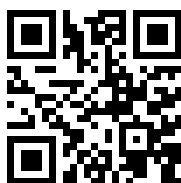
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976 27364 92686 89426 61288 74982 36498 32764 81276 81
 986 48932 70987 32123 49817 26346 81267 65491 87364 81
 721 75654 55656 12737 72727 72727 91918 63473 67867 72
 723 87629 37677 32612 53498 71296 28756 18276 98716 87
 7269 76329 74698 76857 98678 27681 56701 57681 73648 1
 591 87364 87265 96710 27638 12673 84769 28743 98127 5
 8 63298 75698 27465 87326 49876 28376 81273 98615 6
 67 87432 74328 78674 29867 32867 67867 86786 43266 48
 57 68768 68763 34234 34238 68768 62342 48273 48768 248
 436 98432 32432 86743 43286 43286 43286 43286 43286 43
 743 86743 86743 39867 32867 86743 43286 43286 43243 86
 741 86743 86743 86743 86743 86743 86743 86743 86743 40
 343 98798 98754 98754 98754 98754 29867 67543 67986 86
 76 87698 69876 87698 69876 87612 12341 34867 86798 65
 887 83298 65656 56754 56123 32143 14321 32143 14321 321
 82767 53765 76587 58765 76587 58765 76587 58765 76587

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